

# TEST DATA OF GT2.5W-12

Regulated DC Power Supply  
November 2, 2010

Approved by : Eiyoshi Wakamatsu  
Eiyoshi Wakamatsu Design Manager

Prepared by : Satoshi Kinoshita  
Satoshi Kinoshita Design Engineer

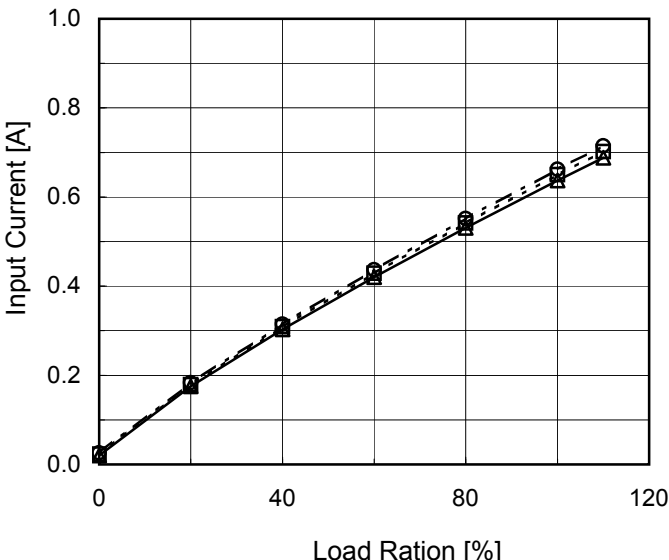
**COSEL CO.,LTD.**

## CONTENTS

1.Input Current (by Load Current) . . . . .	1
2.Input Power (by Load Current) . . . . .	2
3.Efficiency (by Input Voltage) . . . . .	3
4.Efficiency (by Load Current) . . . . .	4
5.Power Factor (by Input Voltage) . . . . .	5
6.Power Factor (by Load Current) . . . . .	6
7.Inrush Current . . . . .	7
8.Line Regulation . . . . .	8
9.Load Regulation . . . . .	9
10.Dynamic Load Response . . . . .	10
11.Ripple Voltage (by Load Current) . . . . .	12
12.Ripple Voltage (by Ambient Temperature) . . . . .	14
13.Ambient Temperature Drift . . . . .	15
14.Output Voltage Accuracy . . . . .	16
15.Time Lapse Drift . . . . .	17
16.Rise and Fall Time . . . . .	18
17.Hold-Up Time . . . . .	20
18.Instantaneous Interruption Compensation . . . . .	22
19.Minimum Input Voltage for Regulated Output Voltage . . . . .	24
20.Overcurrent Protection . . . . .	25
21.Figure of Testing Circuitry . . . . .	26

(Final Page 26)

# COSEL

Model		GT2.5W-12		Temperature 25°C																																																	
Item		Input Current (by Load Current)		Testing Circuitry Figure A																																																	
Object		_____																																																			
1.Graph		<div><div><div>—△—</div><div>Input Volt.</div><div>90V</div></div><div><div>---□---</div><div>Input Volt.</div><div>100V</div></div><div><div>-·-○-·-</div><div>Input Volt.</div><div>110V</div></div></div>  <table><thead><tr><th>Load Ration [%]</th><th>Input Volt. 90[V]</th><th>Input Volt. 100[V]</th><th>Input Volt. 110[V]</th></tr></thead><tbody><tr><td>0</td><td>0.020</td><td>0.023</td><td>0.026</td></tr><tr><td>20</td><td>0.175</td><td>0.179</td><td>0.183</td></tr><tr><td>40</td><td>0.303</td><td>0.309</td><td>0.315</td></tr><tr><td>60</td><td>0.420</td><td>0.429</td><td>0.437</td></tr><tr><td>80</td><td>0.531</td><td>0.542</td><td>0.552</td></tr><tr><td>100</td><td>0.637</td><td>0.650</td><td>0.662</td></tr><tr><td>110</td><td>0.688</td><td>0.702</td><td>0.715</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr></tbody></table>		Load Ration [%]	Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]	0	0.020	0.023	0.026	20	0.175	0.179	0.183	40	0.303	0.309	0.315	60	0.420	0.429	0.437	80	0.531	0.542	0.552	100	0.637	0.650	0.662	110	0.688	0.702	0.715	--	-	-	-	--	-	-	-	--	-	-	-	--	-	-	-	2.Values	
Load Ration [%]	Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]																																																		
0	0.020	0.023	0.026																																																		
20	0.175	0.179	0.183																																																		
40	0.303	0.309	0.315																																																		
60	0.420	0.429	0.437																																																		
80	0.531	0.542	0.552																																																		
100	0.637	0.650	0.662																																																		
110	0.688	0.702	0.715																																																		
--	-	-	-																																																		
--	-	-	-																																																		
--	-	-	-																																																		
--	-	-	-																																																		

# COSEL

Model		GT2.5W-12		Temperature 25°C																																																				
Item		Input Power (by Load Current)		Testing Circuitry Figure A																																																				
Object		_____																																																						
1.Graph		<div><div><div>—△—</div><div>Input Volt.</div><div>90V</div></div><div><div>---□---</div><div>Input Volt.</div><div>100V</div></div><div><div>---○---</div><div>Input Volt.</div><div>110V</div></div></div> <div><table><thead><tr><th>Load Ration [%]</th><th>90V [W]</th><th>100V [W]</th><th>110V [W]</th></tr></thead><tbody><tr><td>0</td><td>1.20</td><td>1.40</td><td>1.70</td></tr><tr><td>20</td><td>9.80</td><td>11.10</td><td>12.30</td></tr><tr><td>40</td><td>18.40</td><td>20.50</td><td>22.80</td></tr><tr><td>60</td><td>26.80</td><td>30.00</td><td>33.10</td></tr><tr><td>80</td><td>35.10</td><td>39.20</td><td>43.40</td></tr><tr><td>100</td><td>43.40</td><td>48.40</td><td>53.50</td></tr><tr><td>110</td><td>47.50</td><td>53.00</td><td>58.60</td></tr></tbody></table></div>		Load Ration [%]	90V [W]	100V [W]	110V [W]	0	1.20	1.40	1.70	20	9.80	11.10	12.30	40	18.40	20.50	22.80	60	26.80	30.00	33.10	80	35.10	39.20	43.40	100	43.40	48.40	53.50	110	47.50	53.00	58.60	2.Values																				
Load Ration [%]	90V [W]	100V [W]	110V [W]																																																					
0	1.20	1.40	1.70																																																					
20	9.80	11.10	12.30																																																					
40	18.40	20.50	22.80																																																					
60	26.80	30.00	33.10																																																					
80	35.10	39.20	43.40																																																					
100	43.40	48.40	53.50																																																					
110	47.50	53.00	58.60																																																					
		<table><thead><tr><th rowspan="2">Load Ration [%]</th><th colspan="3">Input Power [W]</th></tr><tr><th>Input Volt. 90[V]</th><th>Input Volt. 100[V]</th><th>Input Volt. 110[V]</th></tr></thead><tbody><tr><td>0</td><td>1.20</td><td>1.40</td><td>1.70</td></tr><tr><td>20</td><td>9.80</td><td>11.10</td><td>12.30</td></tr><tr><td>40</td><td>18.40</td><td>20.50</td><td>22.80</td></tr><tr><td>60</td><td>26.80</td><td>30.00</td><td>33.10</td></tr><tr><td>80</td><td>35.10</td><td>39.20</td><td>43.40</td></tr><tr><td>100</td><td>43.40</td><td>48.40</td><td>53.50</td></tr><tr><td>110</td><td>47.50</td><td>53.00</td><td>58.60</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr></tbody></table>				Load Ration [%]	Input Power [W]			Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]	0	1.20	1.40	1.70	20	9.80	11.10	12.30	40	18.40	20.50	22.80	60	26.80	30.00	33.10	80	35.10	39.20	43.40	100	43.40	48.40	53.50	110	47.50	53.00	58.60	--	-	-	-	--	-	-	-	--	-	-	-	--	-	-	-
Load Ration [%]	Input Power [W]																																																							
	Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]																																																					
0	1.20	1.40	1.70																																																					
20	9.80	11.10	12.30																																																					
40	18.40	20.50	22.80																																																					
60	26.80	30.00	33.10																																																					
80	35.10	39.20	43.40																																																					
100	43.40	48.40	53.50																																																					
110	47.50	53.00	58.60																																																					
--	-	-	-																																																					
--	-	-	-																																																					
--	-	-	-																																																					
--	-	-	-																																																					

- 2 -

BC-10217

# COSEL

Model	GT2.5W-12																																		
Item	Efficiency (by Input Voltage)	Temperature	25°C																																
Object		Testing Circuitry	Figure A																																
1.Graph		2.Values																																	
<div><div><div>---</div><div>□</div><div>---</div></div><div>Load 50%</div></div> <div><div>—</div><div>△</div><div>—</div></div> <div>Load 100%</div> <table><thead><tr><th rowspan="2">Input Voltage [V]</th><th colspan="2">Efficiency [%]</th></tr><tr><th>Load 50%</th><th>Load 100%</th></tr></thead><tbody><tr><td>85</td><td>62.2</td><td>64.9</td></tr><tr><td>90</td><td>58.6</td><td>61.0</td></tr><tr><td>100</td><td>52.5</td><td>54.6</td></tr><tr><td>110</td><td>47.5</td><td>49.5</td></tr><tr><td>115</td><td>45.2</td><td>47.2</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></tbody></table> <p>Note: Slanted line shows the range of the rated input voltage.</p>		Input Voltage [V]	Efficiency [%]		Load 50%	Load 100%	85	62.2	64.9	90	58.6	61.0	100	52.5	54.6	110	47.5	49.5	115	45.2	47.2	--	-	-	--	-	-	--	-	-	--	-	-		
Input Voltage [V]	Efficiency [%]																																		
	Load 50%	Load 100%																																	
85	62.2	64.9																																	
90	58.6	61.0																																	
100	52.5	54.6																																	
110	47.5	49.5																																	
115	45.2	47.2																																	
--	-	-																																	
--	-	-																																	
--	-	-																																	
--	-	-																																	

# COSEL

Model	GT2.5W-12																																																		
Item	Efficiency (by Load Current)	Temperature	25°C																																																
		Testing Circuitry	Figure A																																																
Object	_____																																																		
1.Graph		2.Values																																																	
<div><div><div>—△—</div><div>Input Volt.</div><div>90V</div></div><div><div>---□---</div><div>Input Volt.</div><div>100V</div></div><div><div>---○---</div><div>Input Volt.</div><div>110V</div></div></div> <table><thead><tr><th>Load Ration [%]</th><th>90V Efficiency [%]</th><th>100V Efficiency [%]</th><th>110V Efficiency [%]</th></tr></thead><tbody><tr><td>0</td><td>-</td><td>-</td><td>-</td></tr><tr><td>20</td><td>54.1</td><td>47.7</td><td>43.1</td></tr><tr><td>40</td><td>57.6</td><td>51.7</td><td>46.4</td></tr><tr><td>60</td><td>59.3</td><td>53.0</td><td>48.0</td></tr><tr><td>80</td><td>60.4</td><td>54.1</td><td>48.8</td></tr><tr><td>100</td><td>61.0</td><td>54.7</td><td>49.5</td></tr><tr><td>110</td><td>61.4</td><td>55.0</td><td>49.7</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr></tbody></table>		Load Ration [%]	90V Efficiency [%]	100V Efficiency [%]	110V Efficiency [%]	0	-	-	-	20	54.1	47.7	43.1	40	57.6	51.7	46.4	60	59.3	53.0	48.0	80	60.4	54.1	48.8	100	61.0	54.7	49.5	110	61.4	55.0	49.7	--	-	-	-	--	-	-	-	--	-	-	-	--	-	-	-		
Load Ration [%]	90V Efficiency [%]	100V Efficiency [%]	110V Efficiency [%]																																																
0	-	-	-																																																
20	54.1	47.7	43.1																																																
40	57.6	51.7	46.4																																																
60	59.3	53.0	48.0																																																
80	60.4	54.1	48.8																																																
100	61.0	54.7	49.5																																																
110	61.4	55.0	49.7																																																
--	-	-	-																																																
--	-	-	-																																																
--	-	-	-																																																
--	-	-	-																																																

Model	GT2.5W-12																																
Item	Power Factor (by Input Voltage)	Temperature	25°C																														
		Testing Circuitry	Figure A																														
Object																																	
1.Graph		2.Values																															
<div><div><div>---□---</div><div>Load 50%</div></div><div><div>—△—</div><div>Load 100%</div></div></div> <table><thead><tr><th>Input Voltage [V]</th><th>Load 50%</th><th>Load 100%</th></tr></thead><tbody><tr><td>85</td><td>0.701</td><td>0.763</td></tr><tr><td>90</td><td>0.693</td><td>0.757</td></tr><tr><td>100</td><td>0.681</td><td>0.747</td></tr><tr><td>110</td><td>0.674</td><td>0.736</td></tr><tr><td>115</td><td>0.670</td><td>0.732</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></tbody></table>		Input Voltage [V]	Load 50%	Load 100%	85	0.701	0.763	90	0.693	0.757	100	0.681	0.747	110	0.674	0.736	115	0.670	0.732	--	-	-	--	-	-	--	-	-	--	-	-		
Input Voltage [V]	Load 50%	Load 100%																															
85	0.701	0.763																															
90	0.693	0.757																															
100	0.681	0.747																															
110	0.674	0.736																															
115	0.670	0.732																															
--	-	-																															
--	-	-																															
--	-	-																															
--	-	-																															
Note: Slanted line shows the range of the rated input voltage.																																	

Model	GT2.5W-12																																																		
Item	Power Factor (by Load Current)	Temperature	25°C																																																
		Testing Circuitry	Figure A																																																
Object																																																			
1.Graph		2.Values																																																	
<div><div><div><div><div></div><div>△</div></div><div>Input Volt. 90V</div></div><div><div><div></div><div>□</div></div><div>Input Volt. 100V</div></div><div><div><div></div><div>○</div></div><div>Input Volt. 110V</div></div></div><div><table><thead><tr><th>Load Ration [%]</th><th>Input Volt. 90V</th><th>Input Volt. 100V</th><th>Input Volt. 110V</th></tr></thead><tbody><tr><td>0</td><td>-</td><td>-</td><td>-</td></tr><tr><td>20</td><td>0.620</td><td>0.620</td><td>0.609</td></tr><tr><td>40</td><td>0.676</td><td>0.663</td><td>0.657</td></tr><tr><td>60</td><td>0.709</td><td>0.699</td><td>0.690</td></tr><tr><td>80</td><td>0.734</td><td>0.723</td><td>0.715</td></tr><tr><td>100</td><td>0.757</td><td>0.746</td><td>0.735</td></tr><tr><td>110</td><td>0.767</td><td>0.755</td><td>0.746</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr></tbody></table></div></div>		Load Ration [%]	Input Volt. 90V	Input Volt. 100V	Input Volt. 110V	0	-	-	-	20	0.620	0.620	0.609	40	0.676	0.663	0.657	60	0.709	0.699	0.690	80	0.734	0.723	0.715	100	0.757	0.746	0.735	110	0.767	0.755	0.746	--	-	-	-	--	-	-	-	--	-	-	-	--	-	-	-		
Load Ration [%]	Input Volt. 90V	Input Volt. 100V	Input Volt. 110V																																																
0	-	-	-																																																
20	0.620	0.620	0.609																																																
40	0.676	0.663	0.657																																																
60	0.709	0.699	0.690																																																
80	0.734	0.723	0.715																																																
100	0.757	0.746	0.735																																																
110	0.767	0.755	0.746																																																
--	-	-	-																																																
--	-	-	-																																																
--	-	-	-																																																
--	-	-	-																																																

△

Input Volt. 90V

□

Input Volt. 100V

○

Input Volt. 110V

Load Ration [%]	Input Volt. 90V	Input Volt. 100V	Input Volt. 110V
0	-	-	-
20	0.620	0.620	0.609
40	0.676	0.663	0.657
60	0.709	0.699	0.690
80	0.734	0.723	0.715
100	0.757	0.746	0.735
110	0.767	0.755	0.746
--	-	-	-
--	-	-	-
--	-	-	-
--	-	-	-

Load Ration [%]	Power Factor		
	Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]
0	-	-	-
20	0.620	0.620	0.609
40	0.676	0.663	0.657
60	0.709	0.699	0.690
80	0.734	0.723	0.715
100	0.757	0.746	0.735
110	0.767	0.755	0.746
--	-	-	-
--	-	-	-
--	-	-	-
--	-	-	-

△

Input Volt. 90V

□

Input Volt. 100V

○

Input Volt. 110V

Load Ration [%]	Input Volt. 90V	Input Volt. 100V	Input Volt. 110V
0	-	-	-
20	0.620	0.620	0.609
40	0.676	0.663	0.657
60	0.709	0.699	0.690
80	0.734	0.723	0.715
100	0.757	0.746	0.735
110	0.767	0.755	0.746
--	-	-	-
--	-	-	-
--	-	-	-
--	-	-	-

Load Ration [%]	Power Factor		
	Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]
0	-	-	-
20	0.620	0.620	0.609
40	0.676	0.663	0.657
60	0.709	0.699	0.690
80	0.734	0.723	0.715
100	0.757	0.746	0.735
110	0.767	0.755	0.746
--	-	-	-
--	-	-	-
--	-	-	-
--	-	-	-

△

Input Volt. 90V

□

Input Volt. 100V

○

Input Volt. 110V

Load Ration [%]	Input Volt. 90V	Input Volt. 100V	Input Volt. 110V
0	-	-	-
20	0.620	0.620	0.609
40	0.676	0.663	0.657
60	0.709	0.699	0.690
80	0.734	0.723	0.715
100	0.757	0.746	0.735
110	0.767	0.755	0.746
--	-	-	-
--	-	-	-
--	-	-	-
--	-	-	-

Load Ration [%]	Power Factor		
	Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]
0	-	-	-
20	0.620	0.620	0.609
40	0.676	0.663	0.657
60	0.709	0.699	0.690
80	0.734	0.723	0.715
100	0.757	0.746	0.735
110	0.767	0.755	0.746
--	-	-	-
--	-	-	-
--	-	-	-
--	-	-	-

△

Input Volt. 90V

□

Input Volt. 100V

○

Input Volt. 110V

Load Ration [%]	Input Volt. 90V	Input Volt. 100V	Input Volt. 110V
0	-	-	-
20	0.620	0.620	0.609
40	0.676	0.663	0.657
60	0.709	0.699	0.690
80	0.734	0.723	0.715
100	0.757	0.746	0.735
110	0.767	0.755	0.746
--	-	-	-
--	-	-	-
--	-	-	-
--	-	-	-

Load Ration [%]	Power Factor		
	Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]
0	-	-	-
20	0.620	0.620	0.609
40	0.676	0.663	0.657
60	0.709	0.699	0.690
80	0.734	0.723	0.715
100	0.757	0.746	0.735
110	0.767	0.755	0.746
--	-	-	-
--	-	-	-
--	-	-	-
--	-	-	-

△

Input Volt. 90V

□

Input Volt. 100V

○

Input Volt. 110V

Load Ration [%]	Input Volt. 90V	Input Volt. 100V	Input Volt. 110V
0	-	-	-
20	0.620	0.620	0.609
40	0.676	0.663	0.657
60	0.709	0.699	0.690
80	0.734	0.723	0.715
100	0.757	0.746	0.735
110	0.767	0.755	0.746
--	-	-	-
--	-	-	-
--	-	-	-
--	-	-	-

Load Ration [%]	Power Factor		
	Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]
0	-	-	-
20	0.620	0.620	0.609
40	0.676	0.663	0.657
60	0.709	0.699	0.690
80	0.734	0.723	0.715
100	0.757	0.746	0.735
110	0.767	0.755	0.746
--	-	-	-
--	-	-	-
--	-	-	-
--	-	-	-

△

Input Volt. 90V

□

Input Volt. 100V

○

Input Volt. 110V

Load Ration [%]	Input Volt. 90V	Input Volt. 100V	Input Volt. 110V
0	-	-	-
20	0.620	0.620	0.609
40	0.676	0.663	0.657
60	0.709	0.699	0.690
80	0.734	0.723	0.715
100	0.757	0.746	0.735
110	0.767	0.755	0.746
--	-	-	-
--	-	-	-
--	-	-	-
--	-	-	-

Load Ration [%]	Power Factor		
	Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]
0	-	-	-
20	0.620	0.620	0.609
40	0.676	0.663	0.657
60	0.709	0.699	0.690
80	0.734	0.723	0.715
100	0.757	0.746	0.735
110	0.767	0.755	0.746
--	-	-	-
--	-	-	-
--	-	-	-
--	-	-	-

△

Input Volt. 90V

□

Input Volt. 100V

○

Input Volt. 110V

Load Ration [%]	Input Volt. 90V	Input Volt. 100V	Input Volt. 110V
0	-	-	-
20	0.620	0.620	0.609
40	0.676	0.663	0.657
60	0.709	0.699	0.690
80	0.734	0.723	0.715
100	0.757	0.746	0.735
110	0.767	0.755	0.746
--	-	-	-
--	-	-	-
--	-	-	-
--	-	-	-

Load Ration [%]	Power Factor		
	Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]
0	-	-	-
20	0.620	0.620	0.609
40	0.676	0.663	0.657
60	0.709	0.699	0.690
80	0.734	0.723	0.715
100	0.757	0.746	0.735
110	0.767	0.755	0.746
--	-	-	-
--	-	-	-
--	-	-	-
--	-	-	-

△

Input Volt. 90V

□

Input Volt. 100V

○

Input Volt. 110V

Load Ration [%]	Input Volt. 90V	Input Volt. 100V	Input Volt. 110V
0	-	-	-
20	0.620	0.620	0.609
40	0.676	0.663	0.657
60	0.709	0.699	0.690
80	0.734	0.723	0.715
100	0.757	0.746	0.735
110	0.767	0.755	0.746
--	-	-	-
--	-	-	-
--	-	-	-
--	-	-	-

Load Ration [%]	Power Factor		
	Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]
0	-	-	-
20	0.620	0.620	0.609
40	0.676	0.663	0.657
60	0.709	0.699	0.690
80	0.734	0.723	0.715
100	0.757	0.746	0.735
110	0.767	0.755	0.746
--	-	-	-
--	-	-	-
--	-	-	-
--	-	-	-

△

Input Volt. 90V

□

Input Volt. 100V

○

Input Volt. 110V

Load Ration [%]	Input Volt. 90V	Input Volt. 100V	Input Volt. 110V
0	-	-	-
20	0.620	0.620	0.609
40	0.676	0.663	0.657
60	0.709	0.699	0.690
80	0.734	0.723	0.715
100	0.757	0.746	0.735
110	0.767	0.755	0.746
--	-	-	-
--	-	-	-
--	-	-	-
--	-	-	-

Load Ration [%]	Power Factor		
	Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]
0	-	-	-
20	0.620	0.620	0.609
40	0.676	0.663	0.657
60	0.709	0.699	0.690
80	0.734	0.723	0.715
100	0.757	0.746	0.735
110	0.767	0.755	0.746
--	-	-	-
--	-	-	-
--	-	-	-
--	-	-	-

△

Input Volt. 90V

□

Input Volt. 100V

○

Input Volt. 110V

Load Ration [%]	Input Volt. 90V	Input Volt. 100V	Input Volt. 110V
0	-	-	-
20	0.620	0.620	0.609
40	0.676	0.663	0.657
60	0.709	0.699	0.690
80	0.734	0.723	0.715
100	0.757	0.746	0.735
110	0.767	0.755	0.746
--	-	-	-
--	-	-	-
--	-	-	-
--	-	-	-

Load Ration [%]
-----------------

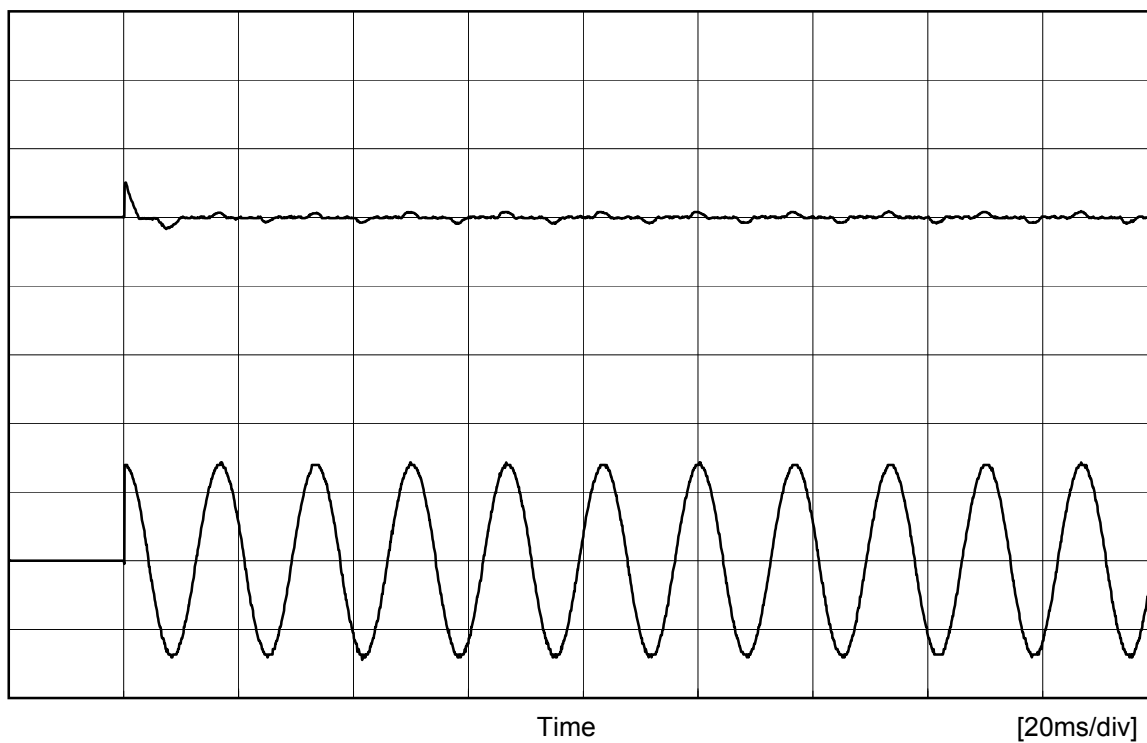


**COSEL**

Model	GT2.5W-12	Temperature 25°C Testing Circuitry Figure A	
Item	Inrush Current		
Object	_____		

Input  
Current  
[20A/div]

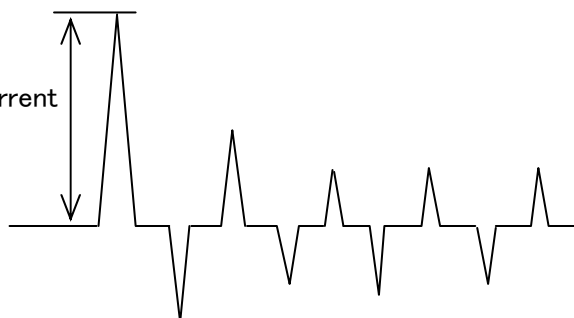
Input  
Voltage  
[100V/div]



Input Voltage 100 V  
Frequency 60 Hz  
Load 100 %

Primary inrush current 10.1 A

Primary inrush current



Model	GT2.5W-12																																
Item	Line Regulation	Temperature	25°C																														
Object	+12V1.1A	Testing Circuitry	Figure A																														
1.Graph		2.Values																															
<div><div><div>---□---</div><div>Load 50%</div></div><div><div>—△—</div><div>Load 100%</div></div></div> <table><thead><tr><th>Input Voltage [V]</th><th>Output Voltage [V] Load 50%</th><th>Output Voltage [V] Load 100%</th></tr></thead><tbody><tr><td>85</td><td>12.038</td><td>12.036</td></tr><tr><td>90</td><td>12.038</td><td>12.036</td></tr><tr><td>100</td><td>12.038</td><td>12.036</td></tr><tr><td>110</td><td>12.038</td><td>12.036</td></tr><tr><td>115</td><td>12.038</td><td>12.036</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></tbody></table>		Input Voltage [V]	Output Voltage [V] Load 50%	Output Voltage [V] Load 100%	85	12.038	12.036	90	12.038	12.036	100	12.038	12.036	110	12.038	12.036	115	12.038	12.036	--	-	-	--	-	-	--	-	-	--	-	-		
Input Voltage [V]	Output Voltage [V] Load 50%	Output Voltage [V] Load 100%																															
85	12.038	12.036																															
90	12.038	12.036																															
100	12.038	12.036																															
110	12.038	12.036																															
115	12.038	12.036																															
--	-	-																															
--	-	-																															
--	-	-																															
--	-	-																															
Object	-12V1.1A																																
1.Graph		2.Values																															
<div><div><div>---□---</div><div>Load 50%</div></div><div><div>—△—</div><div>Load 100%</div></div></div> <table><thead><tr><th>Input Voltage [V]</th><th>Output Voltage [V] Load 50%</th><th>Output Voltage [V] Load 100%</th></tr></thead><tbody><tr><td>85</td><td>-12.035</td><td>-12.034</td></tr><tr><td>90</td><td>-12.035</td><td>-12.034</td></tr><tr><td>100</td><td>-12.035</td><td>-12.034</td></tr><tr><td>110</td><td>-12.035</td><td>-12.035</td></tr><tr><td>115</td><td>-12.035</td><td>-12.035</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></tbody></table>		Input Voltage [V]	Output Voltage [V] Load 50%	Output Voltage [V] Load 100%	85	-12.035	-12.034	90	-12.035	-12.034	100	-12.035	-12.034	110	-12.035	-12.035	115	-12.035	-12.035	--	-	-	--	-	-	--	-	-	--	-	-		
Input Voltage [V]	Output Voltage [V] Load 50%	Output Voltage [V] Load 100%																															
85	-12.035	-12.034																															
90	-12.035	-12.034																															
100	-12.035	-12.034																															
110	-12.035	-12.035																															
115	-12.035	-12.035																															
--	-	-																															
--	-	-																															
--	-	-																															
--	-	-																															
Note: Slanted line shows the range of the rated input voltage.																																	



Model	GT2.5W-12																																																					
Item	Load Regulation	Temperature	25°C																																																			
		Testing Circuitry	Figure A																																																			
Object	+12V1.1A																																																					
1.Graph		2.Values																																																				
<div><div><div>—△—</div><div>Input Volt. 90V</div></div><div><div>---□---</div><div>Input Volt. 100V</div></div><div><div>-·-○-·-</div><div>Input Volt. 110V</div></div></div> <table><thead><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Output Voltage [V]</th></tr><tr><th>Input Volt. 90[V]</th><th>Input Volt. 100[V]</th><th>Input Volt. 110[V]</th></tr></thead><tbody><tr><td>0.00</td><td>12.039</td><td>12.039</td><td>12.039</td></tr><tr><td>0.20</td><td>12.039</td><td>12.039</td><td>12.039</td></tr><tr><td>0.40</td><td>12.038</td><td>12.038</td><td>12.038</td></tr><tr><td>0.60</td><td>12.038</td><td>12.038</td><td>12.038</td></tr><tr><td>0.80</td><td>12.037</td><td>12.037</td><td>12.037</td></tr><tr><td>1.00</td><td>12.037</td><td>12.037</td><td>12.037</td></tr><tr><td>1.10</td><td>12.036</td><td>12.036</td><td>12.036</td></tr><tr><td>1.21</td><td>12.036</td><td>12.036</td><td>12.036</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr></tbody></table>		Load Current [A]	Output Voltage [V]			Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]	0.00	12.039	12.039	12.039	0.20	12.039	12.039	12.039	0.40	12.038	12.038	12.038	0.60	12.038	12.038	12.038	0.80	12.037	12.037	12.037	1.00	12.037	12.037	12.037	1.10	12.036	12.036	12.036	1.21	12.036	12.036	12.036	--	-	-	-	--	-	-	-	--	-	-	-		
Load Current [A]	Output Voltage [V]																																																					
	Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]																																																			
0.00	12.039	12.039	12.039																																																			
0.20	12.039	12.039	12.039																																																			
0.40	12.038	12.038	12.038																																																			
0.60	12.038	12.038	12.038																																																			
0.80	12.037	12.037	12.037																																																			
1.00	12.037	12.037	12.037																																																			
1.10	12.036	12.036	12.036																																																			
1.21	12.036	12.036	12.036																																																			
--	-	-	-																																																			
--	-	-	-																																																			
--	-	-	-																																																			
Object	-12V1.1A																																																					
1.Graph		2.Values																																																				
<div><div><div>—△—</div><div>Input Volt. 90V</div></div><div><div>---□---</div><div>Input Volt. 100V</div></div><div><div>-·-○-·-</div><div>Input Volt. 110V</div></div></div> <table><thead><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Output Voltage [V]</th></tr><tr><th>Input Volt. 90[V]</th><th>Input Volt. 100[V]</th><th>Input Volt. 110[V]</th></tr></thead><tbody><tr><td>0.00</td><td>-12.036</td><td>-12.036</td><td>-12.036</td></tr><tr><td>0.20</td><td>-12.036</td><td>-12.036</td><td>-12.036</td></tr><tr><td>0.40</td><td>-12.036</td><td>-12.036</td><td>-12.035</td></tr><tr><td>0.60</td><td>-12.035</td><td>-12.035</td><td>-12.035</td></tr><tr><td>0.80</td><td>-12.035</td><td>-12.035</td><td>-12.035</td></tr><tr><td>1.00</td><td>-12.035</td><td>-12.035</td><td>-12.034</td></tr><tr><td>1.10</td><td>-12.034</td><td>-12.034</td><td>-12.034</td></tr><tr><td>1.21</td><td>-12.034</td><td>-12.034</td><td>-12.034</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr></tbody></table>		Load Current [A]	Output Voltage [V]			Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]	0.00	-12.036	-12.036	-12.036	0.20	-12.036	-12.036	-12.036	0.40	-12.036	-12.036	-12.035	0.60	-12.035	-12.035	-12.035	0.80	-12.035	-12.035	-12.035	1.00	-12.035	-12.035	-12.034	1.10	-12.034	-12.034	-12.034	1.21	-12.034	-12.034	-12.034	--	-	-	-	--	-	-	-	--	-	-	-		
Load Current [A]	Output Voltage [V]																																																					
	Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]																																																			
0.00	-12.036	-12.036	-12.036																																																			
0.20	-12.036	-12.036	-12.036																																																			
0.40	-12.036	-12.036	-12.035																																																			
0.60	-12.035	-12.035	-12.035																																																			
0.80	-12.035	-12.035	-12.035																																																			
1.00	-12.035	-12.035	-12.034																																																			
1.10	-12.034	-12.034	-12.034																																																			
1.21	-12.034	-12.034	-12.034																																																			
--	-	-	-																																																			
--	-	-	-																																																			
--	-	-	-																																																			
Note: Slanted line shows the range of the rated load current.																																																						

- 9 -

BC-10217

# COSEL

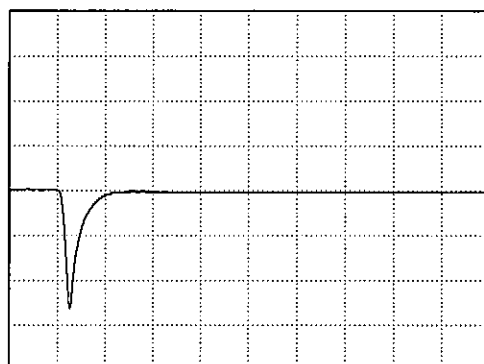
Model	GT2.5W-12	Temperature	25°C
Item	Dynamic Load Response	Testing Circuitry	Figure A
Object	+12V1.1A		

Input Volt. 100 V  
Cycle 1000 ms

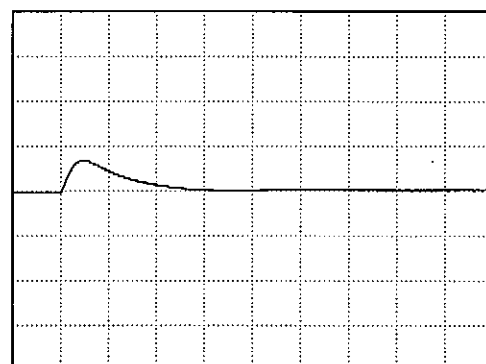
Load Current

Min. Load (0A)  $\longleftrightarrow$   
Load 100% (1.1A)

50 mV/div



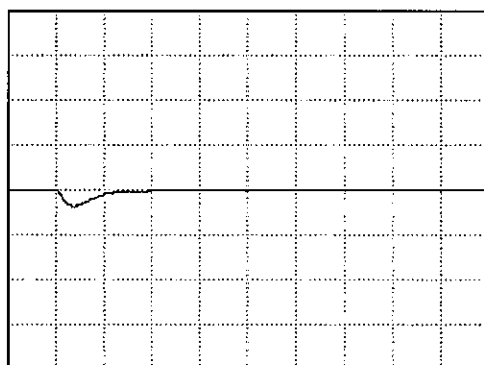
100 μs/div



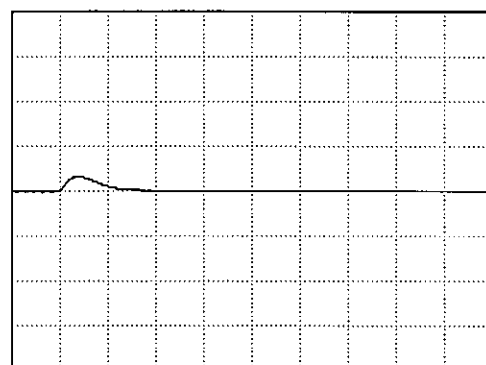
100 μs/div

Load 50% (0.55A)  $\longleftrightarrow$   
Load 100% (1.1A)

50 mV/div



100 μs/div



100 μs/div

# COSEL

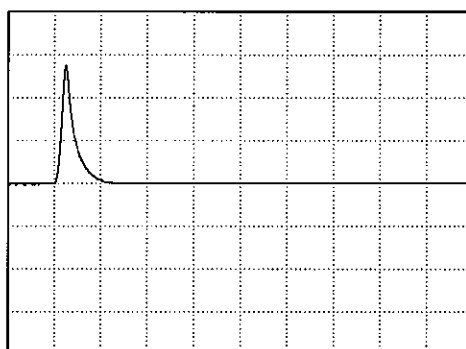
Model	GT2.5W-12	Temperature Testing Circuitry	25°C Figure A
Item	Dynamic Load Response		
Object	-12V1.1A		

Input Volt. 100 V  
Cycle 1000 ms

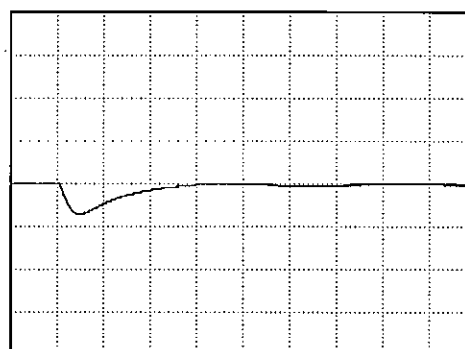
Load Current

Min. Load (0A) ↔  
Load 100% (1.1A)

50 mV/div



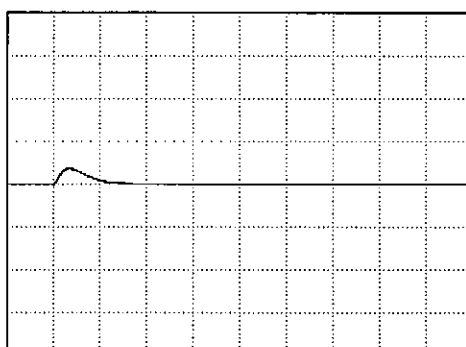
100 μs/div



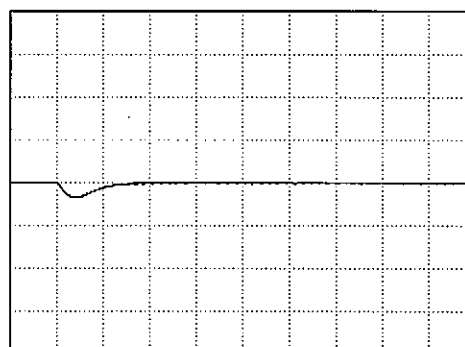
100 μs/div

Load 50% (0.55A) ↔  
Load 100% (1.1A)

50 mV/div



100 μs/div



100 μs/div

Model	GT2.5W-12																																											
Item	Ripple Voltage (by Load Current)	Temperature	25°C																																									
		Testing Circuitry	Figure A																																									
Object	+12V1.1A																																											
1.Graph		2.Values																																										
<div><div><div>—△—</div><div>Input Volt.</div><div>90V</div></div><div><div>-·-○-·-</div><div>Input Volt.</div><div>110V</div></div></div> <p>Measured by 20 MHz Oscilloscope. Note: Slanted line shows the range of the rated load current.</p>		<table><tr><th rowspan="2">Load Current [A]</th><th colspan="2">Ripple Voltage [mV]</th></tr><tr><th>Input Volt. 90 [V]</th><th>Input Volt. 110 [V]</th></tr><tr><td>0.00</td><td>0.6</td><td>0.6</td></tr><tr><td>0.55</td><td>0.6</td><td>0.6</td></tr><tr><td>1.10</td><td>0.6</td><td>0.6</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></table>		Load Current [A]	Ripple Voltage [mV]		Input Volt. 90 [V]	Input Volt. 110 [V]	0.00	0.6	0.6	0.55	0.6	0.6	1.10	0.6	0.6	--	-	-	--	-	-	--	-	-	--	-	-	--	-	-	--	-	-	--	-	-	--	-	-	--	-	-
Load Current [A]	Ripple Voltage [mV]																																											
	Input Volt. 90 [V]	Input Volt. 110 [V]																																										
0.00	0.6	0.6																																										
0.55	0.6	0.6																																										
1.10	0.6	0.6																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										

Model	GT2.5W-12																																											
Item	Ripple Voltage (by Load Current)	Temperature	25°C																																									
		Testing Circuitry	Figure A																																									
Object	-12V1.1A																																											
1.Graph		2.Values																																										
<div><div><div>—△—</div><div>Input Volt.</div><div>90V</div></div><div><div>-·-○-·-</div><div>Input Volt.</div><div>110V</div></div></div> <p>Ripple Voltage [mV]</p> <p>Load Current [A]</p> <p>Measured by 20 MHz Oscilloscope. Note: Slanted line shows the range of the rated load current.</p>		<table><tr><th rowspan="2">Load Current [A]</th><th colspan="2">Ripple Voltage [mV]</th></tr><tr><th>Input Volt. 90 [V]</th><th>Input Volt. 110 [V]</th></tr><tr><td>0.00</td><td>0.6</td><td>0.6</td></tr><tr><td>0.55</td><td>0.6</td><td>0.6</td></tr><tr><td>1.10</td><td>0.6</td><td>0.6</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></table>		Load Current [A]	Ripple Voltage [mV]		Input Volt. 90 [V]	Input Volt. 110 [V]	0.00	0.6	0.6	0.55	0.6	0.6	1.10	0.6	0.6	--	-	-	--	-	-	--	-	-	--	-	-	--	-	-	--	-	-	--	-	-	--	-	-	--	-	-
Load Current [A]	Ripple Voltage [mV]																																											
	Input Volt. 90 [V]	Input Volt. 110 [V]																																										
0.00	0.6	0.6																																										
0.55	0.6	0.6																																										
1.10	0.6	0.6																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										



Model	GT2.5W-12																																											
Item	Ripple Voltage (by Ambient Temp.)	Testing Circuitry    Figure A																																										
Object	+12V1.1A																																											
1.Graph		2.Values																																										
<div><div><div>---□---</div><div>Load 50%</div></div><div><div>—△—</div><div>Load 100%</div></div></div> <p>Ripple Voltage [mV]</p> <p>Ambient Temperature [°C]</p> <p>Input Volt.    100V</p>		<table><tr><th rowspan="2">Ambient Temperature [°C]</th><th colspan="2">Ripple Voltage [mV]</th></tr><tr><th>Load 50%</th><th>Load 100%</th></tr><tr><td>-20</td><td>1.0</td><td>1.0</td></tr><tr><td>-10</td><td>0.6</td><td>0.6</td></tr><tr><td>25</td><td>0.6</td><td>0.6</td></tr><tr><td>50</td><td>0.6</td><td>0.6</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></table>		Ambient Temperature [°C]	Ripple Voltage [mV]		Load 50%	Load 100%	-20	1.0	1.0	-10	0.6	0.6	25	0.6	0.6	50	0.6	0.6	--	-	-	--	-	-	--	-	-	--	-	-	--	-	-	--	-	-	--	-	-	--	-	-
Ambient Temperature [°C]	Ripple Voltage [mV]																																											
	Load 50%	Load 100%																																										
-20	1.0	1.0																																										
-10	0.6	0.6																																										
25	0.6	0.6																																										
50	0.6	0.6																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
Object	-12V1.1A																																											
1.Graph		2.Values																																										
<div><div><div>---□---</div><div>Load 50%</div></div><div><div>—△—</div><div>Load 100%</div></div></div> <p>Ripple Voltage [mV]</p> <p>Ambient Temperature [°C]</p> <p>Input Volt.    100V</p>		<table><tr><th rowspan="2">Ambient Temperature [°C]</th><th colspan="2">Ripple Voltage [mV]</th></tr><tr><th>Load 50%</th><th>Load 100%</th></tr><tr><td>-20</td><td>0.8</td><td>1.0</td></tr><tr><td>-10</td><td>0.6</td><td>0.6</td></tr><tr><td>25</td><td>0.6</td><td>0.6</td></tr><tr><td>50</td><td>0.6</td><td>0.6</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></table>		Ambient Temperature [°C]	Ripple Voltage [mV]		Load 50%	Load 100%	-20	0.8	1.0	-10	0.6	0.6	25	0.6	0.6	50	0.6	0.6	--	-	-	--	-	-	--	-	-	--	-	-	--	-	-	--	-	-	--	-	-	--	-	-
Ambient Temperature [°C]	Ripple Voltage [mV]																																											
	Load 50%	Load 100%																																										
-20	0.8	1.0																																										
-10	0.6	0.6																																										
25	0.6	0.6																																										
50	0.6	0.6																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
--	-	-																																										
Measured by 20 MHz Oscilloscope.																																												
Note: Slanted line shows the range of the rated ambient temperature.																																												

- 14 -

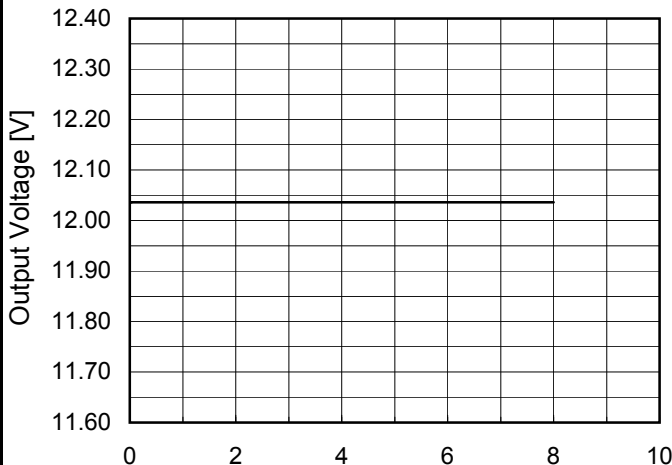
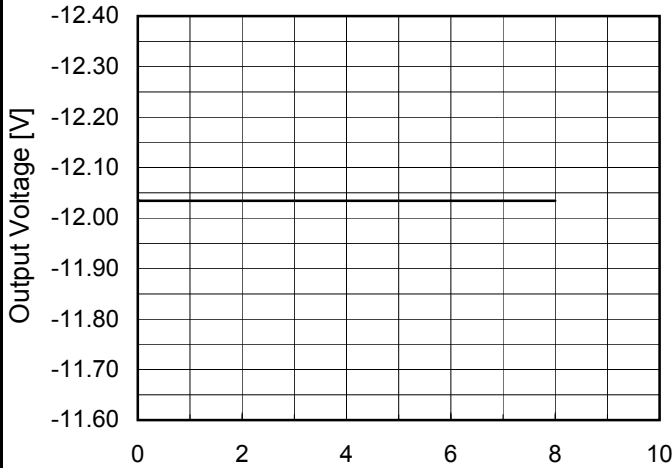
BC-10217



BC-10217



# COSEL

Model	GT2.5W-12																								
Item	Time Lapse Drift		Temperature 25°C Testing Circuitry Figure A																						
Object	+12V1.1A																								
1.Graph		2.Values																							
<div><p>Output Voltage [V]</p><p>Time [H]</p><p>Input Volt. 100V</p><p>Load 100%</p></div>		<table><tr><th>Time since start [H]</th><th>Output Voltage [V]</th></tr><tr><td>0.0</td><td>12.037</td></tr><tr><td>0.5</td><td>12.036</td></tr><tr><td>1.0</td><td>12.036</td></tr><tr><td>2.0</td><td>12.036</td></tr><tr><td>3.0</td><td>12.036</td></tr><tr><td>4.0</td><td>12.036</td></tr><tr><td>5.0</td><td>12.036</td></tr><tr><td>6.0</td><td>12.036</td></tr><tr><td>7.0</td><td>12.036</td></tr><tr><td>8.0</td><td>12.036</td></tr></table>		Time since start [H]	Output Voltage [V]	0.0	12.037	0.5	12.036	1.0	12.036	2.0	12.036	3.0	12.036	4.0	12.036	5.0	12.036	6.0	12.036	7.0	12.036	8.0	12.036
Time since start [H]	Output Voltage [V]																								
0.0	12.037																								
0.5	12.036																								
1.0	12.036																								
2.0	12.036																								
3.0	12.036																								
4.0	12.036																								
5.0	12.036																								
6.0	12.036																								
7.0	12.036																								
8.0	12.036																								
Object	-12V1.1A																								
1.Graph		2.Values																							
<div><p>Output Voltage [V]</p><p>Time [H]</p><p>Input Volt. 100V</p><p>Load 100%</p></div>		<table><tr><th>Time since start [H]</th><th>Output Voltage [V]</th></tr><tr><td>0.0</td><td>-12.035</td></tr><tr><td>0.5</td><td>-12.034</td></tr><tr><td>1.0</td><td>-12.034</td></tr><tr><td>2.0</td><td>-12.034</td></tr><tr><td>3.0</td><td>-12.034</td></tr><tr><td>4.0</td><td>-12.034</td></tr><tr><td>5.0</td><td>-12.034</td></tr><tr><td>6.0</td><td>-12.034</td></tr><tr><td>7.0</td><td>-12.034</td></tr><tr><td>8.0</td><td>-12.034</td></tr></table>		Time since start [H]	Output Voltage [V]	0.0	-12.035	0.5	-12.034	1.0	-12.034	2.0	-12.034	3.0	-12.034	4.0	-12.034	5.0	-12.034	6.0	-12.034	7.0	-12.034	8.0	-12.034
Time since start [H]	Output Voltage [V]																								
0.0	-12.035																								
0.5	-12.034																								
1.0	-12.034																								
2.0	-12.034																								
3.0	-12.034																								
4.0	-12.034																								
5.0	-12.034																								
6.0	-12.034																								
7.0	-12.034																								
8.0	-12.034																								

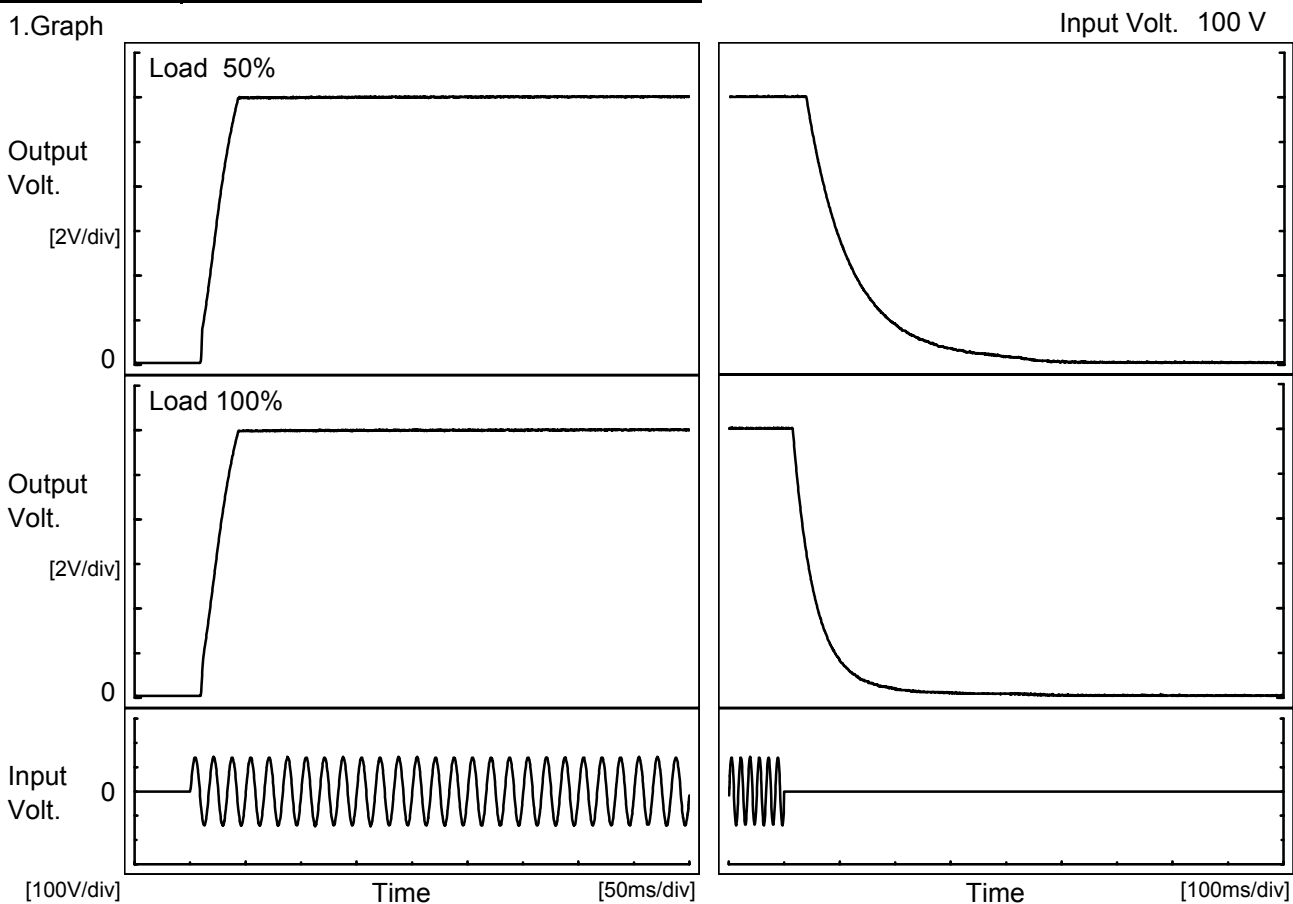
- 17 -

BC-10217

# COSEL

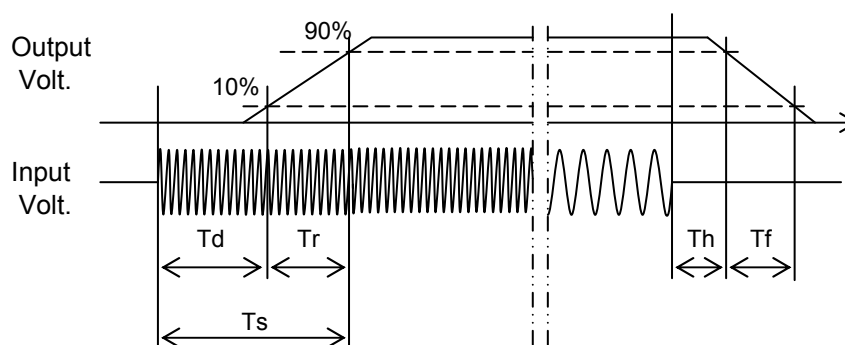
Model	GT2.5W-12	Temperature	25°C
Item	Rise and Fall Time	Testing Circuitry	Figure A
Object	+12V1.1A		

## 1.Graph



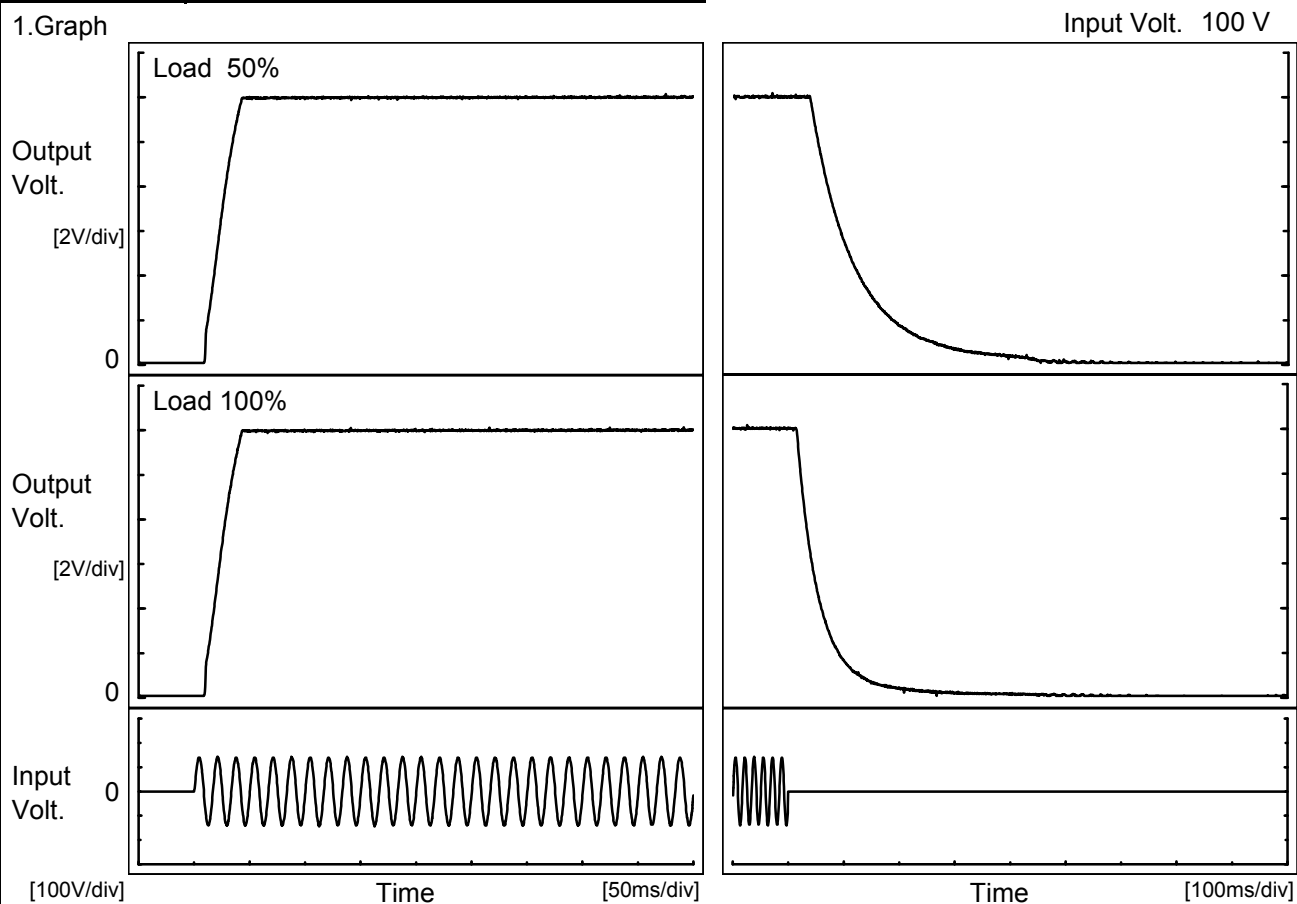
## 2.Values

		[ms]				
Load	Time	Td	Tr	Ts	Th	Tf
50 %		10.8	27.8	38.6	46.0	187.5
100 %		11.3	27.3	38.6	19.0	96.0



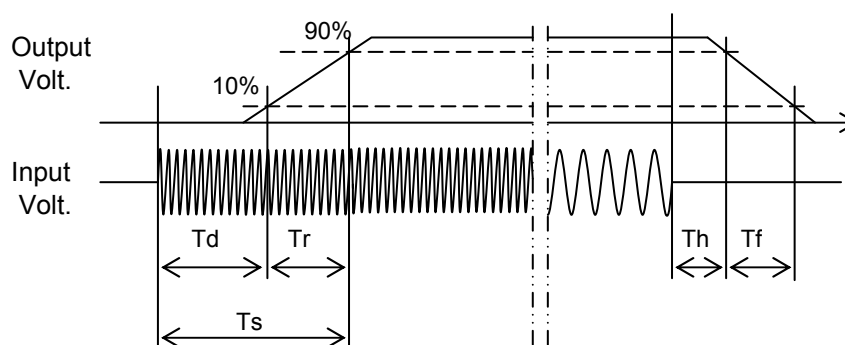
Model	GT2.5W-12	Temperature	25°C
Item	Rise and Fall Time	Testing Circuitry	Figure A
Object	-12V1.1A		

## 1.Graph



## 2.Values

Load \ Time	Td	Tr	Ts	Th	Tf
50 %	10.5	27.8	38.3	46.0	185.0
100 %	10.5	27.8	38.3	18.5	94.5



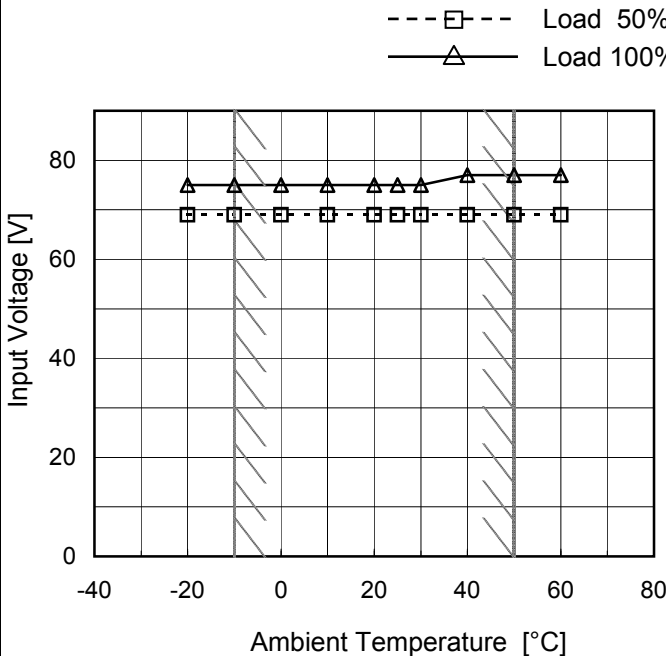
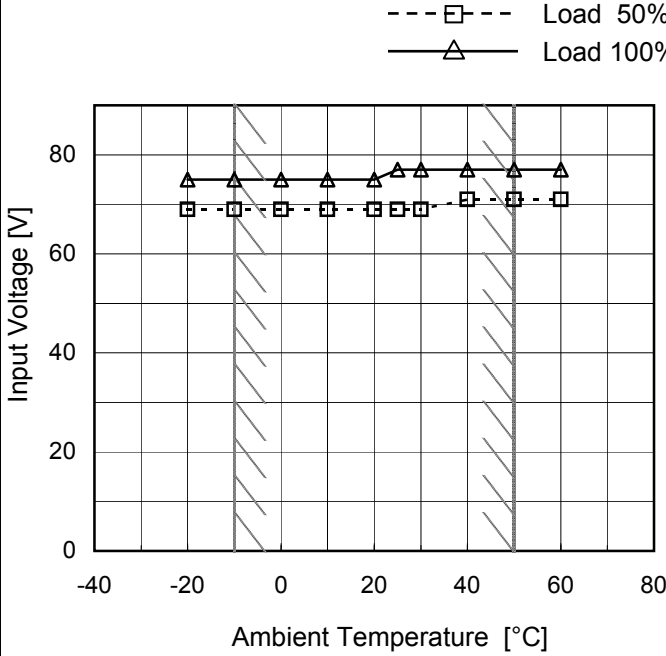
Model	GT2.5W-12																																		
Item	Hold-Up Time	Temperature	25°C																																
		Testing Circuitry	Figure A																																
Object	+12V1.1A																																		
1.Graph		2.Values																																	
<div><div><div>---</div><div>□</div><div>---</div><div>Load 50%</div></div><div><div>—</div><div>△</div><div>—</div><div>Load 100%</div></div></div> <p>Hold-Up Time [ms]</p> <p>Input Voltage [V]</p> <p>This duration covers from Shut-off of input voltage to the moment when output voltage descends to the rated range of voltage accuracy. Note: Slanted line shows the range of the rated input voltage.</p>		<table><tr><th rowspan="2">Input Voltage [V]</th><th colspan="2">Hold-Up Time [ms]</th></tr><tr><th>Load 50%</th><th>Load 100%</th></tr><tr><td>85</td><td>19</td><td>6</td></tr><tr><td>90</td><td>25</td><td>9</td></tr><tr><td>100</td><td>39</td><td>15</td></tr><tr><td>110</td><td>52</td><td>22</td></tr><tr><td>115</td><td>59</td><td>25</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></table>		Input Voltage [V]	Hold-Up Time [ms]		Load 50%	Load 100%	85	19	6	90	25	9	100	39	15	110	52	22	115	59	25	--	-	-	--	-	-	--	-	-	--	-	-
Input Voltage [V]	Hold-Up Time [ms]																																		
	Load 50%	Load 100%																																	
85	19	6																																	
90	25	9																																	
100	39	15																																	
110	52	22																																	
115	59	25																																	
--	-	-																																	
--	-	-																																	
--	-	-																																	
--	-	-																																	

Model		GT2.5W-12		Temperature 25°C	
Item		Hold-Up Time		Testing Circuitry Figure A	
Object		-12V1.1A			
1.Graph				2.Values	
<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div>					

Model	GT2.5W-12																																																					
Item	Instantaneous Interruption Compensation	Temperature	25°C																																																			
Object	+12V1.1A	Testing Circuitry	Figure A																																																			
1.Graph		2.Values																																																				
<div><div><div>—△— Input Volt. 90V</div><div>---□--- Input Volt. 100V</div><div>---○--- Input Volt. 110V</div></div><p>Instantaneous Compensation Time [ms]</p><p>Load Current [A]</p><p>Note: Slanted line shows the range of the rated load current.</p></div>		<table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Time [ms]</th></tr><tr><th>Input Volt. 90[V]</th><th>Input Volt. 100[V]</th><th>Input Volt. 110[V]</th></tr><tr><td>0.00</td><td>-</td><td>-</td><td>-</td></tr><tr><td>0.20</td><td>72</td><td>106</td><td>153</td></tr><tr><td>0.40</td><td>36</td><td>54</td><td>72</td></tr><tr><td>0.60</td><td>21</td><td>23</td><td>39</td></tr><tr><td>0.80</td><td>5</td><td>22</td><td>23</td></tr><tr><td>1.00</td><td>5</td><td>6</td><td>22</td></tr><tr><td>1.10</td><td>4</td><td>5</td><td>22</td></tr><tr><td>1.21</td><td>4</td><td>5</td><td>19</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr></table>		Load Current [A]	Time [ms]			Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]	0.00	-	-	-	0.20	72	106	153	0.40	36	54	72	0.60	21	23	39	0.80	5	22	23	1.00	5	6	22	1.10	4	5	22	1.21	4	5	19	--	-	-	-	--	-	-	-	--	-	-	-
Load Current [A]	Time [ms]																																																					
	Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]																																																			
0.00	-	-	-																																																			
0.20	72	106	153																																																			
0.40	36	54	72																																																			
0.60	21	23	39																																																			
0.80	5	22	23																																																			
1.00	5	6	22																																																			
1.10	4	5	22																																																			
1.21	4	5	19																																																			
--	-	-	-																																																			
--	-	-	-																																																			
--	-	-	-																																																			



Model	GT2.5W-12																																																					
Item	Instantaneous Interruption Compensation	Temperature	25°C																																																			
Object	-12V1.1A	Testing Circuitry	Figure A																																																			
1.Graph		2.Values																																																				
<div><div><div>—△—</div><div>Input Volt.</div><div>90V</div></div><div><div>---□---</div><div>Input Volt.</div><div>100V</div></div><div><div>---○---</div><div>Input Volt.</div><div>110V</div></div></div> <div>Instantaneous Compensation Time [ms]</div> <div>Load Current [A]</div> <div>Note: Slanted line shows the range of the rated load current.</div>		<table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Time [ms]</th></tr><tr><th>Input Volt. 90[V]</th><th>Input Volt. 100[V]</th><th>Input Volt. 110[V]</th></tr><tr><td>0.00</td><td>-</td><td>-</td><td>-</td></tr><tr><td>0.20</td><td>72</td><td>106</td><td>154</td></tr><tr><td>0.40</td><td>37</td><td>55</td><td>72</td></tr><tr><td>0.60</td><td>21</td><td>23</td><td>39</td></tr><tr><td>0.80</td><td>5</td><td>22</td><td>23</td></tr><tr><td>1.00</td><td>5</td><td>6</td><td>22</td></tr><tr><td>1.10</td><td>4</td><td>5</td><td>22</td></tr><tr><td>1.21</td><td>4</td><td>5</td><td>19</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr></table>		Load Current [A]	Time [ms]			Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]	0.00	-	-	-	0.20	72	106	154	0.40	37	55	72	0.60	21	23	39	0.80	5	22	23	1.00	5	6	22	1.10	4	5	22	1.21	4	5	19	--	-	-	-	--	-	-	-	--	-	-	-
Load Current [A]	Time [ms]																																																					
	Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]																																																			
0.00	-	-	-																																																			
0.20	72	106	154																																																			
0.40	37	55	72																																																			
0.60	21	23	39																																																			
0.80	5	22	23																																																			
1.00	5	6	22																																																			
1.10	4	5	22																																																			
1.21	4	5	19																																																			
--	-	-	-																																																			
--	-	-	-																																																			
--	-	-	-																																																			

Model	GT2.5W-12	Testing Circuitry    Figure A																																							
Item	Minimum Input Voltage for Regulated Output Voltage																																								
Object	+12V1.1A																																								
1.Graph		2.Values																																							
<div><div><div></div><div></div></div><div><div></div><div></div></div></div>  <p>---□--- Load 50% —△— Load 100%</p>		<table><tr><th rowspan="2">Ambient Temperature [°C]</th><th colspan="2">Input Voltage [V]</th></tr><tr><th>Load 50%</th><th>Load 100%</th></tr><tr><td>-20</td><td>69</td><td>75</td></tr><tr><td>-10</td><td>69</td><td>75</td></tr><tr><td>0</td><td>69</td><td>75</td></tr><tr><td>10</td><td>69</td><td>75</td></tr><tr><td>20</td><td>69</td><td>75</td></tr><tr><td>25</td><td>69</td><td>75</td></tr><tr><td>30</td><td>69</td><td>75</td></tr><tr><td>40</td><td>69</td><td>77</td></tr><tr><td>50</td><td>69</td><td>77</td></tr><tr><td>60</td><td>69</td><td>77</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></table>		Ambient Temperature [°C]	Input Voltage [V]		Load 50%	Load 100%	-20	69	75	-10	69	75	0	69	75	10	69	75	20	69	75	25	69	75	30	69	75	40	69	77	50	69	77	60	69	77	--	-	-
Ambient Temperature [°C]	Input Voltage [V]																																								
	Load 50%	Load 100%																																							
-20	69	75																																							
-10	69	75																																							
0	69	75																																							
10	69	75																																							
20	69	75																																							
25	69	75																																							
30	69	75																																							
40	69	77																																							
50	69	77																																							
60	69	77																																							
--	-	-																																							
Object	-12V1.1A																																								
1.Graph		2.Values																																							
<div><div><div></div><div></div></div><div><div></div><div></div></div></div>  <p>---□--- Load 50% —△— Load 100%</p>		<table><tr><th rowspan="2">Ambient Temperature [°C]</th><th colspan="2">Input Voltage [V]</th></tr><tr><th>Load 50%</th><th>Load 100%</th></tr><tr><td>-20</td><td>69</td><td>75</td></tr><tr><td>-10</td><td>69</td><td>75</td></tr><tr><td>0</td><td>69</td><td>75</td></tr><tr><td>10</td><td>69</td><td>75</td></tr><tr><td>20</td><td>69</td><td>75</td></tr><tr><td>25</td><td>69</td><td>77</td></tr><tr><td>30</td><td>69</td><td>77</td></tr><tr><td>40</td><td>71</td><td>77</td></tr><tr><td>50</td><td>71</td><td>77</td></tr><tr><td>60</td><td>71</td><td>77</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></table>		Ambient Temperature [°C]	Input Voltage [V]		Load 50%	Load 100%	-20	69	75	-10	69	75	0	69	75	10	69	75	20	69	75	25	69	77	30	69	77	40	71	77	50	71	77	60	71	77	--	-	-
Ambient Temperature [°C]	Input Voltage [V]																																								
	Load 50%	Load 100%																																							
-20	69	75																																							
-10	69	75																																							
0	69	75																																							
10	69	75																																							
20	69	75																																							
25	69	77																																							
30	69	77																																							
40	71	77																																							
50	71	77																																							
60	71	77																																							
--	-	-																																							
Note: Slanted line shows the range of the rated ambient temperature.																																									

- 24 -

BC-10217

Model	GT2.5W-12																																																									
Item	Overcurrent Protection	Temperature	25°C																																																							
Object	+12V1.1A	Testing Circuitry	Figure A																																																							
1.Graph		2.Values																																																								
<div><div></div>Input Volt. 90V</div> <div><div></div>Input Volt. 100V</div> <div><div></div>Input Volt. 110V</div> <p>Output Voltage [V]</p> <p>Load Current [A]</p>		<table><tr><th rowspan="2">Output Voltage [V]</th><th colspan="3">Load Current [A]</th></tr><tr><th>Input Volt. 90[V]</th><th>Input Volt. 100[V]</th><th>Input Volt. 110[V]</th></tr><tr><td>12.0</td><td>1.39</td><td>1.39</td><td>1.39</td></tr><tr><td>11.4</td><td>1.35</td><td>1.35</td><td>1.35</td></tr><tr><td>10.8</td><td>1.31</td><td>1.31</td><td>1.31</td></tr><tr><td>9.6</td><td>1.24</td><td>1.24</td><td>1.24</td></tr><tr><td>8.4</td><td>1.16</td><td>1.16</td><td>1.16</td></tr><tr><td>7.2</td><td>1.08</td><td>1.08</td><td>1.08</td></tr><tr><td>6.0</td><td>1.00</td><td>1.00</td><td>1.00</td></tr><tr><td>4.8</td><td>0.92</td><td>0.92</td><td>0.92</td></tr><tr><td>3.6</td><td>0.84</td><td>0.84</td><td>0.84</td></tr><tr><td>2.4</td><td>0.76</td><td>0.76</td><td>0.76</td></tr><tr><td>1.2</td><td>0.68</td><td>0.68</td><td>0.68</td></tr><tr><td>0.0</td><td>0.60</td><td>0.60</td><td>0.60</td></tr></table>		Output Voltage [V]	Load Current [A]			Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]	12.0	1.39	1.39	1.39	11.4	1.35	1.35	1.35	10.8	1.31	1.31	1.31	9.6	1.24	1.24	1.24	8.4	1.16	1.16	1.16	7.2	1.08	1.08	1.08	6.0	1.00	1.00	1.00	4.8	0.92	0.92	0.92	3.6	0.84	0.84	0.84	2.4	0.76	0.76	0.76	1.2	0.68	0.68	0.68	0.0	0.60	0.60	0.60
Output Voltage [V]	Load Current [A]																																																									
	Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]																																																							
12.0	1.39	1.39	1.39																																																							
11.4	1.35	1.35	1.35																																																							
10.8	1.31	1.31	1.31																																																							
9.6	1.24	1.24	1.24																																																							
8.4	1.16	1.16	1.16																																																							
7.2	1.08	1.08	1.08																																																							
6.0	1.00	1.00	1.00																																																							
4.8	0.92	0.92	0.92																																																							
3.6	0.84	0.84	0.84																																																							
2.4	0.76	0.76	0.76																																																							
1.2	0.68	0.68	0.68																																																							
0.0	0.60	0.60	0.60																																																							
Object	-12V1.1A																																																									
1.Graph		2.Values																																																								
<div><div></div>Input Volt. 90V</div> <div><div></div>Input Volt. 100V</div> <div><div></div>Input Volt. 110V</div> <p>Output Voltage [V]</p> <p>Load Current [A]</p> <p>Note: Slanted line shows the range of the rated load current.</p>		<table><tr><th rowspan="2">Output Voltage [V]</th><th colspan="3">Load Current [A]</th></tr><tr><th>Input Volt. 90[V]</th><th>Input Volt. 100[V]</th><th>Input Volt. 110[V]</th></tr><tr><td>-12.0</td><td>1.39</td><td>1.39</td><td>1.39</td></tr><tr><td>-11.4</td><td>1.35</td><td>1.35</td><td>1.35</td></tr><tr><td>-10.8</td><td>1.31</td><td>1.31</td><td>1.31</td></tr><tr><td>-9.6</td><td>1.24</td><td>1.24</td><td>1.24</td></tr><tr><td>-8.4</td><td>1.16</td><td>1.16</td><td>1.16</td></tr><tr><td>-7.2</td><td>1.08</td><td>1.08</td><td>1.08</td></tr><tr><td>-6.0</td><td>1.00</td><td>1.00</td><td>1.00</td></tr><tr><td>-4.8</td><td>0.92</td><td>0.92</td><td>0.92</td></tr><tr><td>-3.6</td><td>0.85</td><td>0.85</td><td>0.85</td></tr><tr><td>-2.4</td><td>0.77</td><td>0.77</td><td>0.77</td></tr><tr><td>-1.2</td><td>0.69</td><td>0.69</td><td>0.69</td></tr><tr><td>0.0</td><td>0.60</td><td>0.60</td><td>0.60</td></tr></table>		Output Voltage [V]	Load Current [A]			Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]	-12.0	1.39	1.39	1.39	-11.4	1.35	1.35	1.35	-10.8	1.31	1.31	1.31	-9.6	1.24	1.24	1.24	-8.4	1.16	1.16	1.16	-7.2	1.08	1.08	1.08	-6.0	1.00	1.00	1.00	-4.8	0.92	0.92	0.92	-3.6	0.85	0.85	0.85	-2.4	0.77	0.77	0.77	-1.2	0.69	0.69	0.69	0.0	0.60	0.60	0.60
Output Voltage [V]	Load Current [A]																																																									
	Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 110[V]																																																							
-12.0	1.39	1.39	1.39																																																							
-11.4	1.35	1.35	1.35																																																							
-10.8	1.31	1.31	1.31																																																							
-9.6	1.24	1.24	1.24																																																							
-8.4	1.16	1.16	1.16																																																							
-7.2	1.08	1.08	1.08																																																							
-6.0	1.00	1.00	1.00																																																							
-4.8	0.92	0.92	0.92																																																							
-3.6	0.85	0.85	0.85																																																							
-2.4	0.77	0.77	0.77																																																							
-1.2	0.69	0.69	0.69																																																							
0.0	0.60	0.60	0.60																																																							

- 25 -

BC-10217

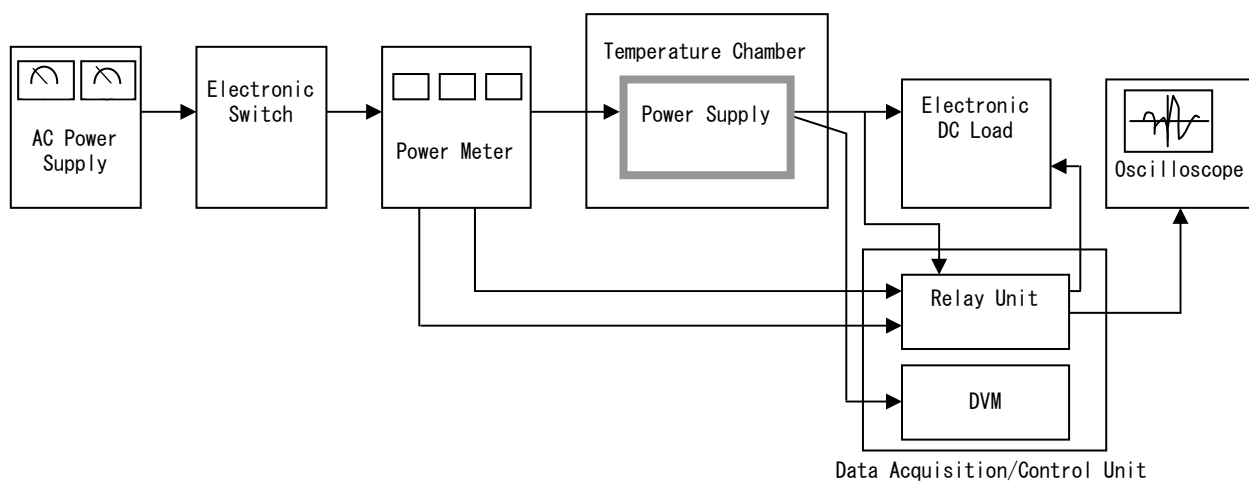


Figure A