



# TEST DATA OF LEA75F-48

Regulated DC Power Supply  
Feb.13. 2004

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K.SHIBUTANI Design Manager

Prepared by : M. Hamaguchi  
M.HAMAGUCHI Design Engineer

**COSEL CO.,LTD.**

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Model		LEA75F-48		Temperature 25°C																																																				
Item		Input Power (by Load Current)		Testing Circuitry Figure A																																																				
Object																																																								
1.Graph		<div><div>—△—</div>Input Volt. 100V</div> <div><div>---□---</div>Input Volt. 200V</div> <div><div>-·-○-·-</div>Input Volt. 230V</div>		2.Values																																																				
<div><div>Input Power [W]</div><div>Load Current [A]</div></div>		<table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Input Power [W]</th></tr><tr><th>Input Volt. 100[V]</th><th>Input Volt. 200[V]</th><th>Input Volt. 230[V]</th></tr><tr><td>0.00</td><td>4.4</td><td>4.9</td><td>5.1</td></tr><tr><td>0.30</td><td>21.9</td><td>21.8</td><td>21.8</td></tr><tr><td>0.60</td><td>38.1</td><td>37.5</td><td>37.5</td></tr><tr><td>0.90</td><td>54.1</td><td>52.9</td><td>52.8</td></tr><tr><td>1.20</td><td>70.1</td><td>68.8</td><td>68.3</td></tr><tr><td>1.50</td><td>86.4</td><td>84.5</td><td>84.0</td></tr><tr><td>1.60</td><td>91.9</td><td>89.6</td><td>89.2</td></tr><tr><td>1.76</td><td>100.7</td><td>98.2</td><td>97.7</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></table>		Load Current [A]	Input Power [W]			Input Volt. 100[V]	Input Volt. 200[V]	Input Volt. 230[V]	0.00	4.4	4.9	5.1	0.30	21.9	21.8	21.8	0.60	38.1	37.5	37.5	0.90	54.1	52.9	52.8	1.20	70.1	68.8	68.3	1.50	86.4	84.5	84.0	1.60	91.9	89.6	89.2	1.76	100.7	98.2	97.7	--	-	-	-	--	-	-	-	--	-	-	-		
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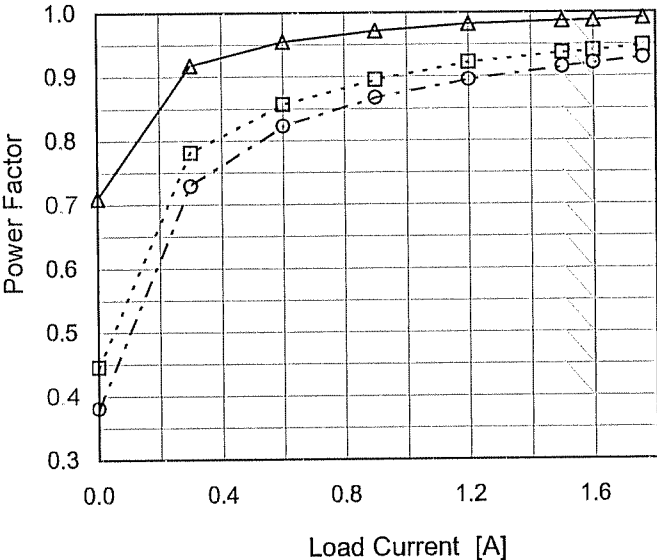
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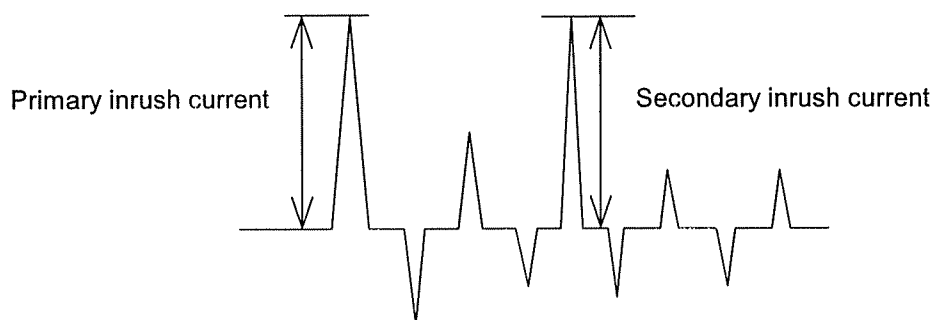
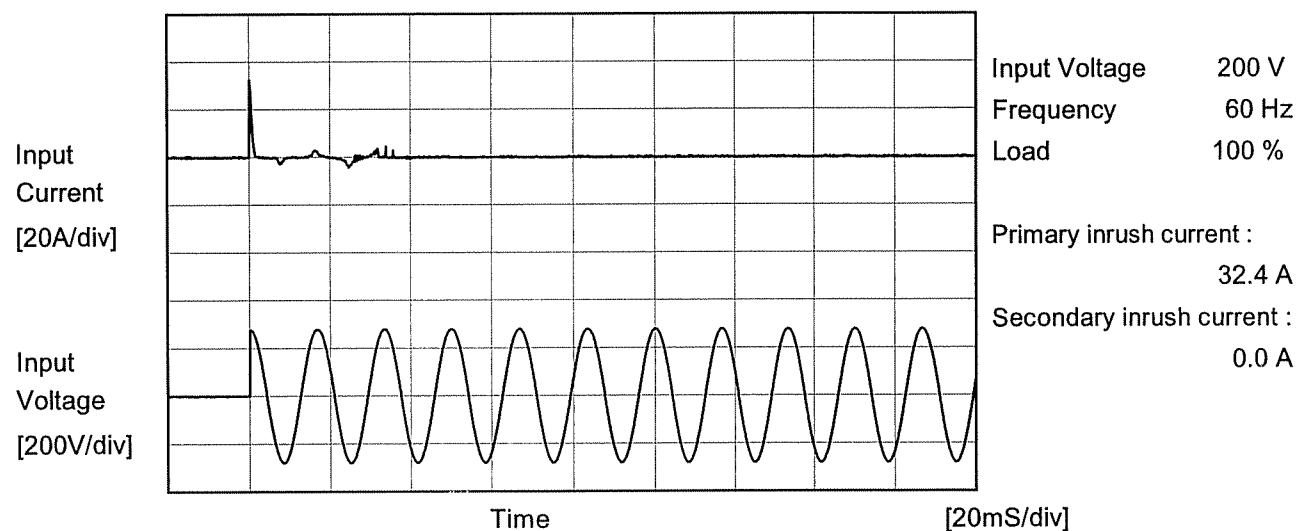
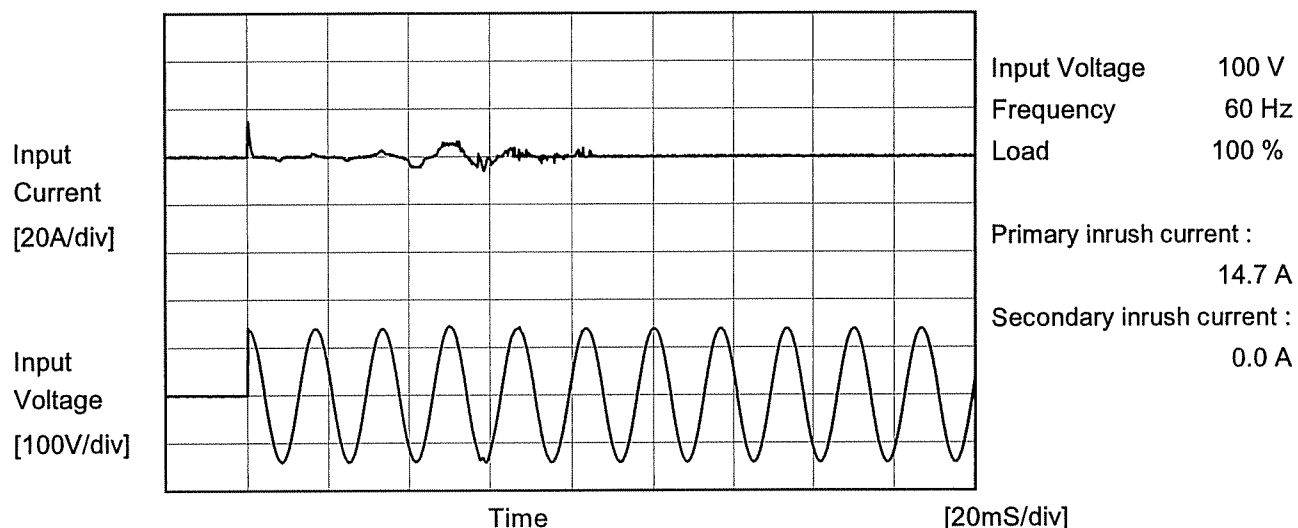


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# COSEL

Model	LEA75F-48	Temperature Testing Circuitry	25°C Figure A
Item	Inrush Current		
Object	_____		





Model		LEA75F-48	Temperature 25°C Testing Circuitry Figure B
Item		Leakage Current	
Object		_____	

## 1.Results

[mA]

Standards		Input Volt.			Note
		100 [V]	200 [V]	230 [V]	
DEN-AN	Both phases	0.11	0.22	0.25	Operation
	One of phase	0.19	0.39	0.44	stand by
IEC60950	Both phases	0.11	0.22	0.25	Operation
	One of phase	0.19	0.39	0.44	stand by

The value for "One phase" is the reference value only.

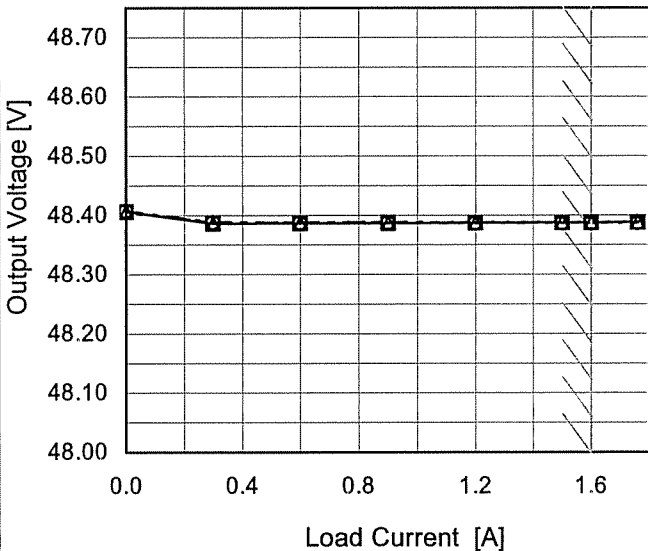
## 2.Condition

Leakage current value is concluded after measuring both phases of AC input and by choosing the larger one.

# COSEL

Model		LEA75F-48	
Item		Line Regulation	
Object		+48V1.6A	
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>Load 50%</div></div><div><div>---</div><div>△</div><div>---</div></div><div>Load 100%</div></div> <div><div><div>Output Voltage [V]</div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><di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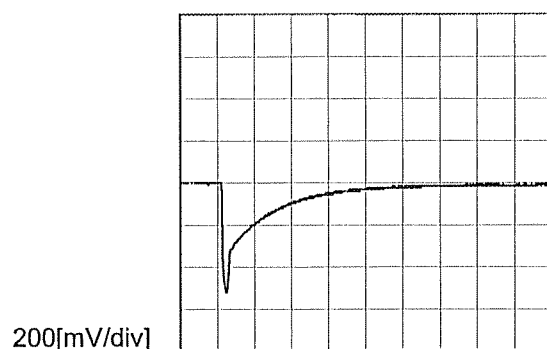
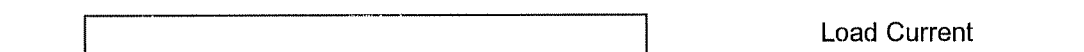
Model	LEA75F-48																																																					
Item	Load Regulation	Temperature	25°C																																																			
Object	+48V1.6A	Testing Circuitry	Figure A																																																			
1.Graph		2.Values																																																				
<div><div><div>—△—</div><div>Input Volt.</div><div>100V</div></div><div><div>---□---</div><div>Input Volt.</div><div>200V</div></div><div><div>---○---</div><div>Input Volt.</div><div>230V</div></div></div>  <p>Note: Slanted line shows the range of the rated load current.</p>		<table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Output Voltage [V]</th></tr><tr><th>Input Volt. 100[V]</th><th>Input Volt. 200[V]</th><th>Input Volt. 230[V]</th></tr><tr><td>0.00</td><td>48.406</td><td>48.406</td><td>48.407</td></tr><tr><td>0.30</td><td>48.387</td><td>48.388</td><td>48.388</td></tr><tr><td>0.60</td><td>48.387</td><td>48.388</td><td>48.387</td></tr><tr><td>0.90</td><td>48.387</td><td>48.388</td><td>48.387</td></tr><tr><td>1.20</td><td>48.387</td><td>48.388</td><td>48.387</td></tr><tr><td>1.50</td><td>48.388</td><td>48.388</td><td>48.387</td></tr><tr><td>1.60</td><td>48.388</td><td>48.388</td><td>48.387</td></tr><tr><td>1.76</td><td>48.388</td><td>48.388</td><td>48.387</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]	Output Voltage [V]			Input Volt. 100[V]	Input Volt. 200[V]	Input Volt. 230[V]	0.00	48.406	48.406	48.407	0.30	48.387	48.388	48.388	0.60	48.387	48.388	48.387	0.90	48.387	48.388	48.387	1.20	48.387	48.388	48.387	1.50	48.388	48.388	48.387	1.60	48.388	48.388	48.387	1.76	48.388	48.388	48.387	--	-	-	-	--	-	-	-	--	-	-	-
Load Current [A]	Output Voltage [V]																																																					
	Input Volt. 100[V]	Input Volt. 200[V]	Input Volt. 230[V]																																																			
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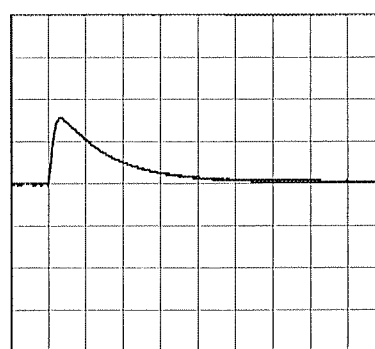
Model	LEA75F-48	Temperature 25°C Testing Circuitry Figure A
Item	Dynamic Load Response	
Object	+48V1.6A	

Input Volt. 100 V  
Cycle 1000 mS

Min. Load ( 0 A ) -- Load 100% ( 1.6 A )

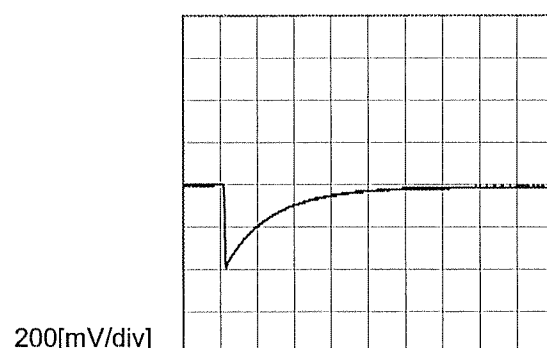


5[mS/div]

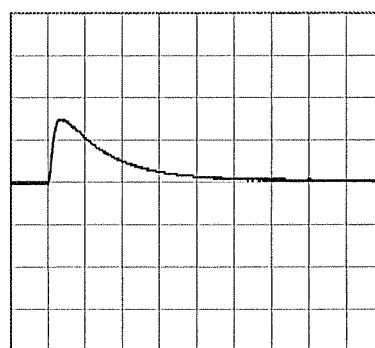


5[mS/div]

Min. Load ( 0 A ) -- Load 50% ( 0.8 A )



5[mS/div]



5[mS/div]

\* The characteristic of AC200V is equal.

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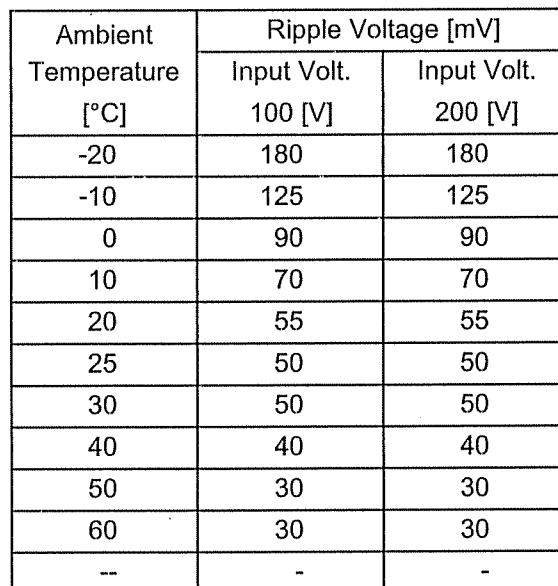
Model	LEA75F-48																																								
Item	Ripple Voltage (by Load Current)	Temperature	25°C																																						
Object	+48V1.6A	Testing Circuitry	Figure A																																						
1.Graph		2.Values																																							
<div><div><div>—△— Input Volt. 100V</div><div>-·-○-·- Input Volt. 200V</div></div><p>Ripple Voltage [mV]</p><p>Load Current [A]</p></div>		<table><tr><th rowspan="2">Load Current [A]</th><th colspan="2">Ripple Voltage [mV]</th></tr><tr><th>Input Volt. 100 [V]</th><th>Input Volt. 200 [V]</th></tr><tr><td>0.00</td><td>20</td><td>20</td></tr><tr><td>0.30</td><td>40</td><td>40</td></tr><tr><td>0.60</td><td>50</td><td>50</td></tr><tr><td>0.90</td><td>50</td><td>50</td></tr><tr><td>1.20</td><td>50</td><td>50</td></tr><tr><td>1.50</td><td>50</td><td>50</td></tr><tr><td>1.60</td><td>50</td><td>50</td></tr><tr><td>1.76</td><td>50</td><td>50</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. 100 [V]	Input Volt. 200 [V]	0.00	20	20	0.30	40	40	0.60	50	50	0.90	50	50	1.20	50	50	1.50	50	50	1.60	50	50	1.76	50	50	--	-	-	--	-	-	--	-	-
Load Current [A]	Ripple Voltage [mV]																																								
	Input Volt. 100 [V]	Input Volt. 200 [V]																																							
0.00	20	20																																							
0.30	40	40																																							
0.60	50	50																																							
0.90	50	50																																							
1.20	50	50																																							
1.50	50	50																																							
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1.76	50	50																																							
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--	-	-																																							
<p>Measured by 20 MHz Oscilloscope.</p> <p>Ripple Voltage is shown as p-p in the figure below.</p> <p>Note: Slanted line shows the range of the rated load current.</p>																																									
<div><div>T1: Due to AC Input Line</div><div>T2: Due to Switching</div><p>Ripple [mVp-p]</p></div>																																									
Fig. Complex Ripple Wave Form																																									

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Model	LEA75F-48	Temperature Testing Circuitry	25°C Figure A
Item	Ripple-Noise		
Object	+48V1.6A		
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> 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Testing Circuitry Figure A

## 2.Values



Note: Slanted line shows the range of the rated ambient temperature.





Model		LEA75F-48	Testing Circuitry    Figure A																																																			
Item		Ambient Temperature Drift																																																				
Object		+48V1.6A																																																				
1.Graph		<div><div><div>—△—</div><div>Input Volt.</div><div>100V</div></div><div><div>---□---</div><div>Input Volt.</div><div>200V</div></div><div><div>---○---</div><div>Input Volt.</div><div>230V</div></div></div> <p>Note: Slanted line shows the range of the rated ambient temperature.</p>	2.Values																																																			
		<table><tr><th rowspan="2">Ambient Temperature [°C]</th><th colspan="3">Output Voltage [V]</th></tr><tr><th>Input Volt. 100[V]</th><th>Input Volt. 200[V]</th><th>Input Volt. 230[V]</th></tr><tr><td>-20</td><td>48.411</td><td>48.410</td><td>48.411</td></tr><tr><td>-10</td><td>48.409</td><td>48.407</td><td>48.407</td></tr><tr><td>0</td><td>48.408</td><td>48.406</td><td>48.406</td></tr><tr><td>10</td><td>48.409</td><td>48.408</td><td>48.408</td></tr><tr><td>20</td><td>48.412</td><td>48.410</td><td>48.410</td></tr><tr><td>25</td><td>48.413</td><td>48.410</td><td>48.411</td></tr><tr><td>30</td><td>48.412</td><td>48.410</td><td>48.409</td></tr><tr><td>40</td><td>48.403</td><td>48.401</td><td>48.400</td></tr><tr><td>50</td><td>48.386</td><td>48.384</td><td>48.384</td></tr><tr><td>60</td><td>48.366</td><td>48.364</td><td>48.364</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr></table>		Ambient Temperature [°C]	Output Voltage [V]			Input Volt. 100[V]	Input Volt. 200[V]	Input Volt. 230[V]	-20	48.411	48.410	48.411	-10	48.409	48.407	48.407	0	48.408	48.406	48.406	10	48.409	48.408	48.408	20	48.412	48.410	48.410	25	48.413	48.410	48.411	30	48.412	48.410	48.409	40	48.403	48.401	48.400	50	48.386	48.384	48.384	60	48.366	48.364	48.364	--	-	-	-
Ambient Temperature [°C]	Output Voltage [V]																																																					
	Input Volt. 100[V]	Input Volt. 200[V]	Input Volt. 230[V]																																																			
-20	48.411	48.410	48.411																																																			
-10	48.409	48.407	48.407																																																			
0	48.408	48.406	48.406																																																			
10	48.409	48.408	48.408																																																			
20	48.412	48.410	48.410																																																			
25	48.413	48.410	48.411																																																			
30	48.412	48.410	48.409																																																			
40	48.403	48.401	48.400																																																			
50	48.386	48.384	48.384																																																			
60	48.366	48.364	48.364																																																			
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Model		LEA75F-48	Testing Circuitry Figure A
Item		Output Voltage Accuracy	
Object		+48V1.6A	

### 1. Output Voltage Accuracy

This is defined as the value of the output voltage, regulation load, ambient temperature and input voltage varied at random in the range as specified below.

Temperature : -10 - 50°C

Input Voltage : 85 - 264V

Load Current : 0 - 1.6A

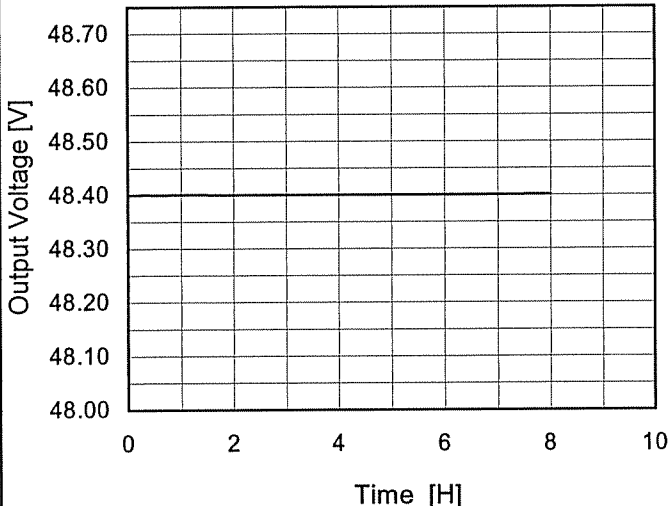
\* Output Voltage Accuracy =  $\pm(\text{Maximum of Output Voltage} - \text{Minimum of Output Voltage}) / 2$

\* Output Voltage Accuracy (Ration) =  $\frac{\text{Output Voltage Accuracy}}{\text{Rated Output Voltage}} \times 100$

### 2. Values

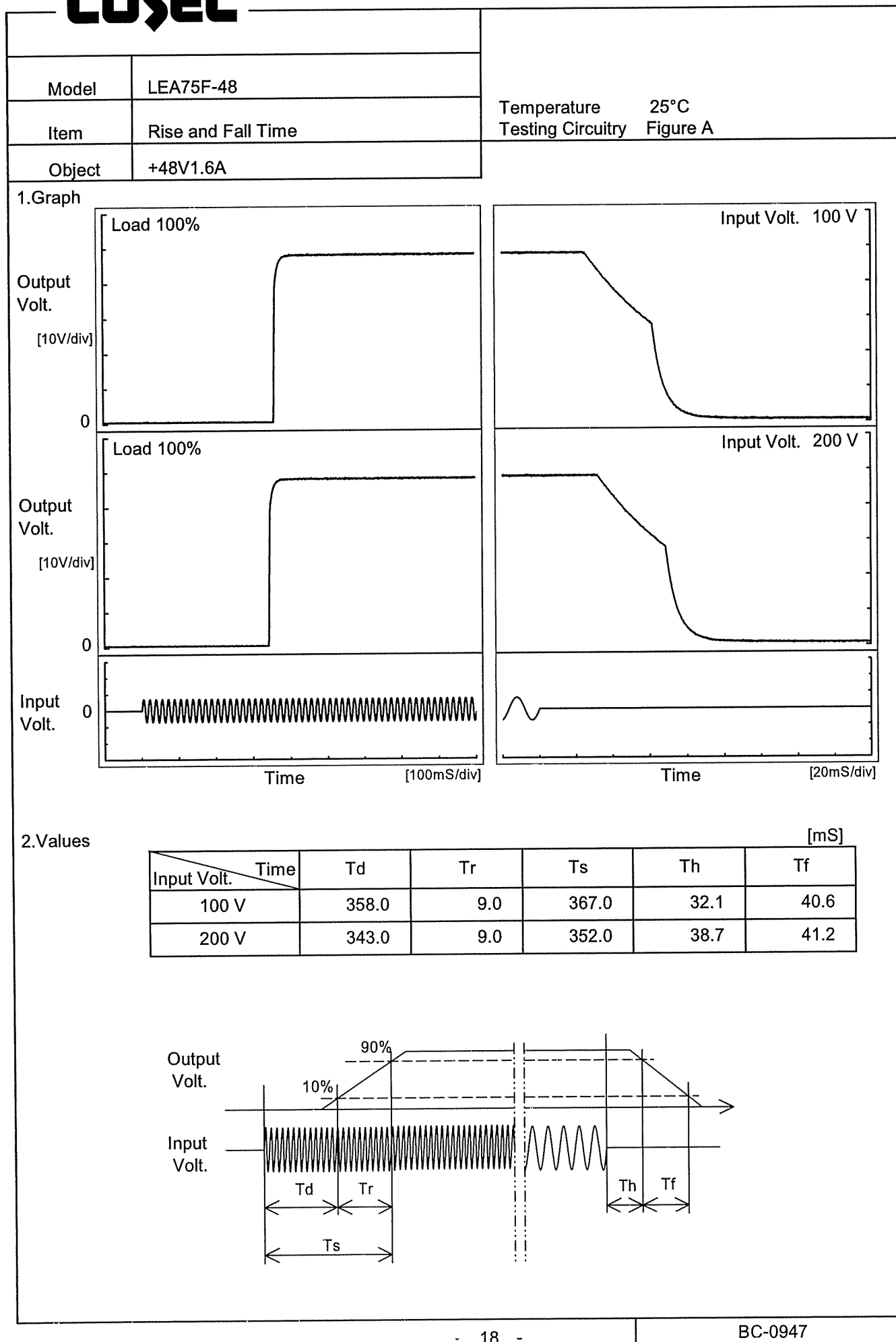
Item	Temperature [°C]	Input Voltage[V]	Output		Output Voltage Accuracy	
			Current[A]	Voltage[V]	Value [mV]	Ration [%]
Maximum Voltage	25	85	0	48.431	±27	±0.1
Minimum Voltage	50	264	1.6	48.378		

# COSEL

Model	LEA75F-48																								
Item	Time Lapse Drift	Temperature	25°C																						
Object	+48V1.6A	Testing Circuitry	Figure A																						
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><thead><tr><th>Time since start [H]</th><th>Output Voltage [V]</th></tr></thead><tbody><tr><td>0.0</td><td>48.401</td></tr><tr><td>0.5</td><td>48.401</td></tr><tr><td>1.0</td><td>48.401</td></tr><tr><td>2.0</td><td>48.401</td></tr><tr><td>3.0</td><td>48.401</td></tr><tr><td>4.0</td><td>48.401</td></tr><tr><td>5.0</td><td>48.401</td></tr><tr><td>6.0</td><td>48.401</td></tr><tr><td>7.0</td><td>48.401</td></tr><tr><td>8.0</td><td>48.401</td></tr></tbody></table>		Time since start [H]	Output Voltage [V]	0.0	48.401	0.5	48.401	1.0	48.401	2.0	48.401	3.0	48.401	4.0	48.401	5.0	48.401	6.0	48.401	7.0	48.401	8.0	48.401
Time since start [H]	Output Voltage [V]																								
0.0	48.401																								
0.5	48.401																								
1.0	48.401																								
2.0	48.401																								
3.0	48.401																								
4.0	48.401																								
5.0	48.401																								
6.0	48.401																								
7.0	48.401																								
8.0	48.401																								
* The characteristic of AC200V is equal.																									

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BC-0947

**COSEL**

# COSEL

Model	LEA75F-48	Temperature 25°C Testing Circuitry Figure A																																	
Item	Hold-Up Time																																		
Object	+48V1.6A																																		
1.Graph		2.Values																																	
<div><div><div>Hold-Up Time [mS]</div><div>1000</div><div>100</div><div>10</div><div>1</div></div><div><div>50</div><div>100</div><div>150</div><div>200</div><div>250</div><div>300</div></div><div>Input Voltage [V]</div></div> <div><div>---□---</div><div>Load 50%</div><div>—△—</div><div>Load 100%</div></div>		<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>55</td><td>23</td></tr><tr><td>100</td><td>59</td><td>26</td></tr><tr><td>120</td><td>62</td><td>29</td></tr><tr><td>200</td><td>67</td><td>33</td></tr><tr><td>230</td><td>68</td><td>34</td></tr><tr><td>264</td><td>69</td><td>34</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	55	23	100	59	26	120	62	29	200	67	33	230	68	34	264	69	34	--	-	-	--	-	-	--	-	-
Input Voltage [V]	Hold-Up Time [mS]																																		
	Load 50%	Load 100%																																	
85	55	23																																	
100	59	26																																	
120	62	29																																	
200	67	33																																	
230	68	34																																	
264	69	34																																	
--	-	-																																	
--	-	-																																	
--	-	-																																	
<p>This duration covers from Shut-off of input voltage to the moment when output voltage descends to the rated range of voltage accuracy.</p> <p>Note: Slanted line shows the range of the rated input voltage.</p>																																			

# COSEL

Model	LEA75F-48																																																					
Item	Instantaneous Interruption Compensation	Temperature	25°C																																																			
Object	+48V1.6A	Testing Circuitry	Figure A																																																			
1.Graph		2.Values																																																				
<div><div><div>Instantaneous Compensation Time [mS]</div><div>1000</div><div>100</div><div>10</div><div>1</div></div><div><div>0.0</div><div>0.4</div><div>0.8</div><div>1.2</div><div>1.6</div></div><div>Load Current [A]</div></div> <div><div>—△— Input Volt. 100V</div><div>---□--- Input Volt. 200V</div><div>-·-○-·- Input Volt. 230V</div></div>		<table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Time [mS]</th></tr><tr><th>Input Volt. 100[V]</th><th>Input Volt. 200[V]</th><th>Input Volt. 230[V]</th></tr><tr><td>0.00</td><td>-</td><td>-</td><td>-</td></tr><tr><td>0.30</td><td>138</td><td>163</td><td>165</td></tr><tr><td>0.60</td><td>71</td><td>88</td><td>90</td></tr><tr><td>0.90</td><td>46</td><td>60</td><td>61</td></tr><tr><td>1.20</td><td>37</td><td>45</td><td>46</td></tr><tr><td>1.50</td><td>29</td><td>36</td><td>37</td></tr><tr><td>1.60</td><td>26</td><td>33</td><td>34</td></tr><tr><td>1.76</td><td>22</td><td>30</td><td>31</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. 100[V]	Input Volt. 200[V]	Input Volt. 230[V]	0.00	-	-	-	0.30	138	163	165	0.60	71	88	90	0.90	46	60	61	1.20	37	45	46	1.50	29	36	37	1.60	26	33	34	1.76	22	30	31	--	-	-	-	--	-	-	-	--	-	-	-
Load Current [A]	Time [mS]																																																					
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Note: Slanted line shows the range of the rated load current.																																																						

- 20 -

BC-0947



Model		LEA75F-48
Item		Minimum Input Voltage for Regulated Output Voltage
Object		+48V1.6A

1.Graph

Load 50%

Load 100%

Input Voltage [V]

</

# COSEL

Model	LEA75F-48																																											
Item	Overcurrent Protection	Temperature	25°C																																									
Object	+48V1.6A	Testing Circuitry	Figure A																																									
1.Graph		2.Values																																										
<div><div><div></div>Input Volt. 100V</div><div><div></div>Input Volt. 200V</div></div> <p>Note: Slanted line shows the range of the rated load current.</p> <p>Intermittent operation occurs when the output voltage is from 24V to 0V.</p>		<table><tr><th rowspan="2">Output Voltage [V]</th><th colspan="2">Load Current [A]</th></tr><tr><th>Input Volt. 100[V]</th><th>Input Volt. 200[V]</th></tr><tr><td>48.0</td><td>1.98</td><td>1.98</td></tr><tr><td>45.6</td><td>2.00</td><td>2.00</td></tr><tr><td>43.2</td><td>2.01</td><td>2.02</td></tr><tr><td>38.4</td><td>2.05</td><td>2.05</td></tr><tr><td>33.6</td><td>2.08</td><td>2.09</td></tr><tr><td>28.8</td><td>2.12</td><td>2.12</td></tr><tr><td>24.0</td><td>2.14</td><td>2.14</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>		Output Voltage [V]	Load Current [A]		Input Volt. 100[V]	Input Volt. 200[V]	48.0	1.98	1.98	45.6	2.00	2.00	43.2	2.01	2.02	38.4	2.05	2.05	33.6	2.08	2.09	28.8	2.12	2.12	24.0	2.14	2.14	--	-	-	--	-	-	--	-	-	--	-	-	--	-	-
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# COSEL

Model		LEA75F-48																																						
Item		Overvoltage Protection																																						
Object		+48V1.6A																																						
1.Graph		Testing Circuitry    Figure A																																						
<div><div><div>—△—    Input Volt.    100V</div><div>---□---    Input Volt.    200V</div></div><p>Operating Point [V]</p><p>Ambient Temperature [°C]</p><p>Load 0%</p><p>Note: Slanted line shows the range of the rated ambient temperature.</p></div>		2.Values																																						
		<table><tr><th rowspan="2">Ambient Temperature [°C]</th><th colspan="2">Operating Point [V]</th></tr><tr><th>Input Volt. 100[V]</th><th>Input Volt. 200[V]</th></tr><tr><td>-20</td><td>59.37</td><td>59.08</td></tr><tr><td>-10</td><td>59.92</td><td>59.84</td></tr><tr><td>0</td><td>60.45</td><td>60.39</td></tr><tr><td>10</td><td>61.04</td><td>60.86</td></tr><tr><td>20</td><td>61.56</td><td>61.50</td></tr><tr><td>25</td><td>61.86</td><td>61.74</td></tr><tr><td>30</td><td>62.09</td><td>61.97</td></tr><tr><td>40</td><td>62.62</td><td>62.56</td></tr><tr><td>50</td><td>63.20</td><td>63.09</td></tr><tr><td>60</td><td>63.67</td><td>63.61</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></table>	Ambient Temperature [°C]	Operating Point [V]		Input Volt. 100[V]	Input Volt. 200[V]	-20	59.37	59.08	-10	59.92	59.84	0	60.45	60.39	10	61.04	60.86	20	61.56	61.50	25	61.86	61.74	30	62.09	61.97	40	62.62	62.56	50	63.20	63.09	60	63.67	63.61	--	-	-
Ambient Temperature [°C]	Operating Point [V]																																							
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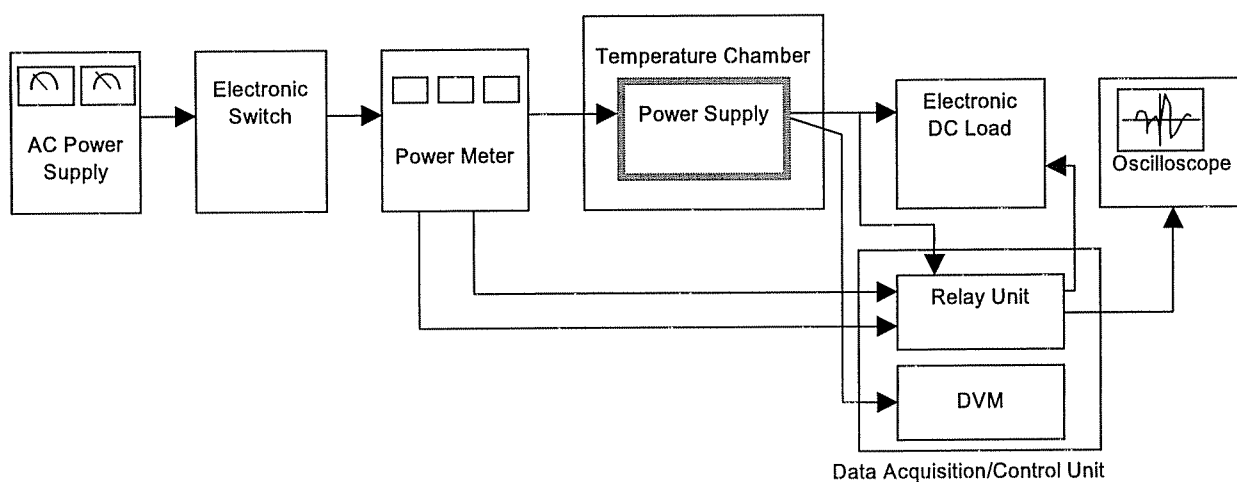


Figure A

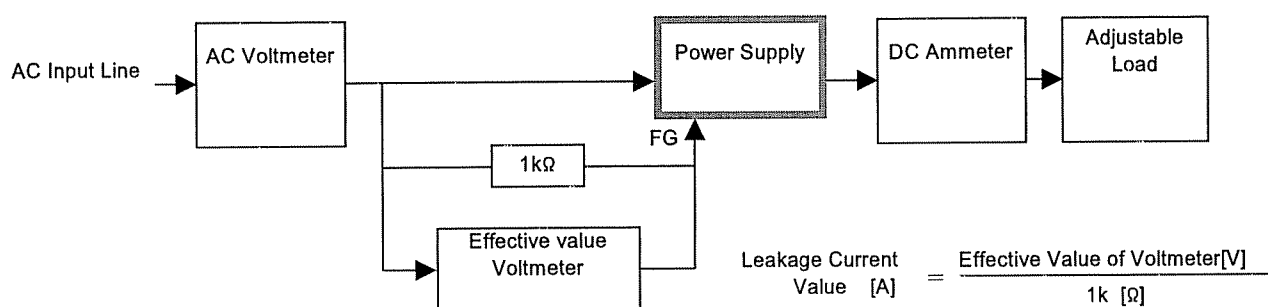


Figure B ( DEN-AN )

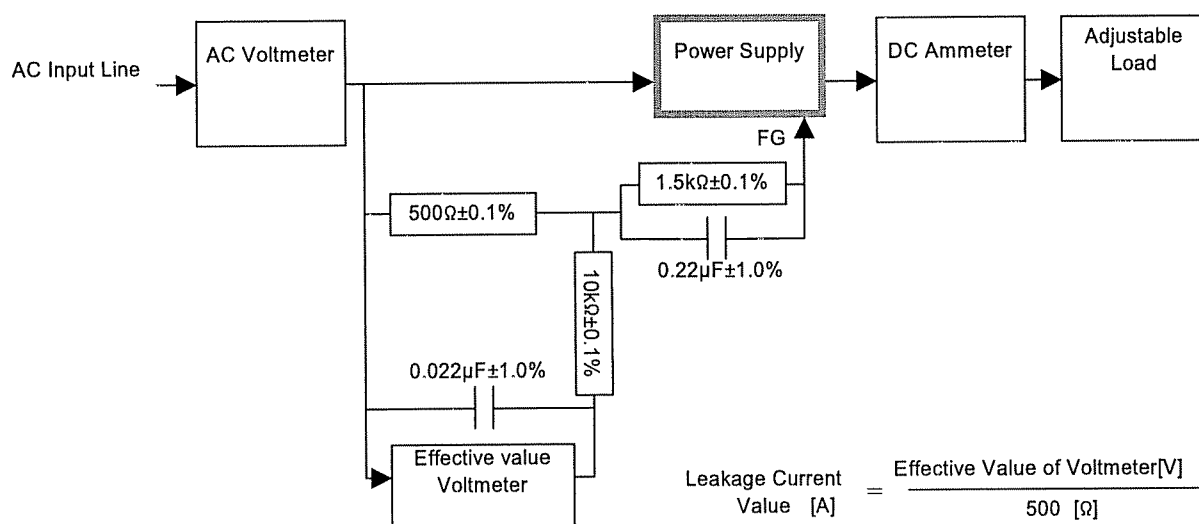


Figure B ( IEC60950 )