

ABNORMAL TEST RESULT

OF MODEL CQS48

1. Did Cheese Cloth or Paper Glow?

No.

2. Did Ground Fuse Open?

No.

3. Dielectric breakdown?

No.

4. Other Results?

See the following pages .

(FMEA : 2/32 ~ 28/32)

(Abnormal Test Result: 29/32 ~ 32/32)

There was no emission of flame, molten metal, ignition of cheesecloth, dielectric breakdown, opening of the ground fuse, other indication of a shock or fire hazard.

F M E A

Component	Mode	Comment	Output Voltage (V)
C101	Open	Normal operation.	
	Short	External Fuse opened, No hazard.	0[V]
C102	Open	Normal operation.	
	Short	External Fuse opened, No hazard.	0[V]
C103	Open	Normal operation.	
	Short	External Fuse opened, No hazard.	0[V]
C104	Open	Normal operation.	
	Short	External Fuse opened, No hazard.	0[V]
C105	Open	Normal operation.	
	Short	External Fuse opened, No hazard.	0[V]
C106	Open	Normal operation.	
	Short	External Fuse opened, No hazard.	0[V]
C107	Open	Normal operation.	
	Short	See 29 Page.	
C110	Open	Normal operation.	
	Short	Normal operation.	
C151	Open	Normal operation.	
	Short	Normal operation.	
C152	Open	Normal operation.	
	Short	See 29 Page.	
C153	Open	No Hazard.	0[V]
	Short	No Hazard.	0[V]
C154	Open	Normal operation.	
	Short	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
C201	Open		Normal operation.	
	Short		No Hazard.	0[V]
C203	Open		Normal operation.	
	Short		No Hazard.	0[V]
C204	Open		Normal operation.	
	Short		No Hazard.	0[V]
C205	Open		Normal operation.	
	Short		See 29 Page.	
C206	Open		No Hazard.	0[V]
	Short		See 29 Page.	
C207	Open	Only 033, 050, 120, 150	Normal operation.	
	Short	Only 033, 050, 120, 150	Normal operation.	
C210	Open		Normal operation.	
	Short		No Hazard.	0[V]
C251	Open		Normal operation.	
	Short		Normal operation.	
C252	Open		Normal operation.	
	Short		No Hazard.	0[V]
C253	Open		Normal operation.	
	Short		No Hazard.	0[V]
C254	Open		Normal operation.	
	Short		No Hazard.	0[V]
C255	Open		Normal operation.	
	Short		No Hazard.	0[V]

F M E A

Component	Mode		Comment	Output Voltage (V)
C256	Open		Normal operation.	
	Short		Normal operation.	
C302	Open		Normal operation.	
	Short		No Hazard.	0[V]
C303	Open		Normal operation.	
	Short		Normal operation.	
C304	Open		No Hazard.	0[V]
	Short		Normal operation.	
C351	Open		Output voltage decreased. No hazard.	Decreased
	Short		Output voltage decreased. No hazard.	Decreased
C352	Open		Output voltage decreased. No hazard.	Decreased
	Short		Normal operation.	
C353	Open		Normal operation.	
	Short		Output voltage decreased. No hazard.	Decreased
C354	Open		Output voltage decreased. No hazard.	Decreased
	Short		Output voltage decreased. No hazard.	Decreased
C501	Open	Only 050	Normal operation.	
	Short	Only 050	Normal operation.	
C502	Open	Only 050	Normal operation.	
	Short	Only 050	Normal operation.	
C503	Open	Only 050, 120, 150	Normal operation.	
	Short	Only 050, 120, 150	Normal operation.	
C504	Open	Only 050, 120, 150	Normal operation.	
	Short	Only 050, 120, 150	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
C505	Open		Normal operation.	
	Short		No Hazard.	0[V]
C506	Open		Normal operation.	
	Short		No Hazard.	0[V]
C507	Open		Normal operation.	
	Short		No Hazard.	0[V]
C508	Open		Normal operation.	
	Short		No Hazard.	0[V]
C509	Open		Normal operation.	
	Short		No Hazard.	0[V]
C511	Open	Only 050, 120, 150	Normal operation.	
	Short	Only 050, 120, 150	Normal operation.	
C512	Open	Only 050, 120, 150	Normal operation.	
	Short	Only 050, 120, 150	Normal operation.	
C513	Open	Only 050, 120, 150	Normal operation.	
	Short	Only 050, 120, 150	Normal operation.	
C514	Open	Only 050, 120, 150	Normal operation.	
	Short	Only 050, 120, 150	Normal operation.	
C515	Open	Only 050, 120, 150	Normal operation.	
	Short	Only 050, 120, 150	Normal operation.	
C516	Open	Only 050, 120, 150	Normal operation.	
	Short	Only 050, 120, 150	Normal operation.	
C601	Open		Normal operation.	
	Short		See 29 Page.	

F M E A

Component	Mode		Comment	Output Voltage (V)
C602	Open		Normal operation.	
	Short		See 29 Page.	
C603	Open		See 29 Page.	
	Short		Normal operation.	
C604	Open		See 29 Page.	
	Short		Normal operation.	
C606	Open	Only 050, 120, 150	Normal operation.	
	Short	Only 050, 120, 150	No Hazard.	0[V]
C701	Open		Normal operation.	
	Short		See 29 Page.	
C702	Open		Normal operation.	
	Short		No Hazard.	0[V]
C703	Open		Normal operation.	
	Short		See 29 Page.	
C704	Open		No Hazard.	0[V]
	Short		Normal operation.	
C706	Open		Normal operation.	
	Short		No Hazard.	0[V]
C707	Open		Normal operation.	
	Short		No Hazard.	0[V]
C708	Open		Normal operation.	
	Short		No Hazard.	0[V]
C709	Open		Normal operation.	
	Short		Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
C710	Open	Normal operation.	
	Short	No Hazard.	0[V]
C712	Open	Normal operation.	
	Short	Output voltage increased. No hazard.	103[%]
C713	Open	Normal operation.	
	Short	No Hazard.	0[V]
C714	Open	Normal operation.	
	Short	No Hazard.	0[V]
C717	Open	Normal operation.	
	Short	Normal operation.	
C718	Open	Normal operation.	
	Short	Normal operation.	
C719	Open	Normal operation.	
	Short	Normal operation.	
C721	Open	Normal operation.	
	Short	No Hazard.	0[V]
D101	Open	See 29 Page.	
	Short	Normal operation.	
D151	Open	Normal operation.	
	Short	Normal operation.	
D152	Open	Normal operation.	
	Short	Normal operation.	
D153	Open	No Hazard.	0[V]
	Short	No Hazard.	0[V]

F M E A

Component	Mode		Comment	Output Voltage (V)
D154	Open		No Hazard.	0[V]
	Short		No Hazard.	0[V]
D201	Open	Only 033, 050, 120, 150	Normal operation.	
	Short	Only 033, 050, 120, 150	No Hazard.	0[V]
D202	Open		No Hazard.	0[V]
	Short		Normal operation.	
D203	Open		Normal operation.	
	Short		No Hazard.	0[V]
D204	Open	Only 120, 150		
	Short	Only 120, 150		
D251	Open		Normal operation.	
	Short		No Hazard.	0[V]
D252	Open		Normal operation.	
	Short		Normal operation.	
D301	Open		Normal operation.	
	Short		Normal operation.	
D351	Open		Output voltage decreased. No hazard.	Decreased
	Short		Normal operation.	
D352	Open		Normal operation.	
	Short		Output voltage decreased. No hazard.	Decreased
D601	Open		Normal operation.	
	Short		Normal operation.	
D602	Open		No Hazard.	0[V]
	Short		No Hazard.	0[V]

F M E A

Component	Mode		Comment	Output Voltage (V)
D603	Open		See 29 Page.	
	Short		See 29 Page.	
D604	Open		No Hazard.	0[V]
	Short		No Hazard.	0[V]
D605	Open		No Hazard.	0[V]
	Short		No Hazard.	0[V]
D606	Open		No Hazard.	0[V]
	Short		No Hazard.	0[V]
D607	Open	Only 050, 120, 150	Normal operation.	
	Short	Only 050, 120, 150	No Hazard.	0[V]
D610	Open	Only 050, 120, 150	Normal operation.	
	Short	Only 050, 120, 150	Normal operation.	
D701	Open	Except 050, 120, 150	Normal operation.	
	Short	Except 050, 120, 150	No Hazard.	0[V]
D702	Open	Except 050, 120, 150	Normal operation.	
	Short	Except 050, 120, 150	No Hazard.	0[V]
	Open	Only 050, 120, 150	No Hazard.	0[V]
	Short	Only 050, 120, 150	No Hazard.	Decreased
D705	Open		Normal operation.	
	Short		Normal operation.	
D706	Open		Normal operation.	
	Short		Normal operation.	
IC201	Open	1	No Hazard.	0[V]
		2	No Hazard.	0[V]

F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Open	3	No Hazard.	0[V]
		4	No Hazard.	0[V]
		5	No Hazard.	0[V]
		6	No Hazard.	0[V]
		7	No Hazard.	0[V]
		8	Normal operation.	
	Short	1-2	No Hazard.	0[V]
		2-3	No Hazard.	0[V]
		3-4	No Hazard.	0[V]
		5-6	No Hazard.	0[V]
		6-7	No Hazard.	0[V]
		7-8	Normal operation.	
IC251	Open	1	Normal operation.	
		2	Normal operation.	
		3	No Hazard.	0[V]
		4	No Hazard.	0[V]
		5	Normal operation.	
	Short	1-2	Normal operation.	
		2-3	Normal operation.	
		4-5	No Hazard.	0[V]
IC701	Open	1	Normal operation.	
		2	Normal operation.	
		3	Normal operation.	
		4	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
IC701	Open	5	Normal operation.	
		1-2	Normal operation.	
	Short	2-3	No Hazard.	0[V]
		4-5	Normal operation.	
IC702	Open	1	No Hazard.	0[V]
		2	No Hazard.	0[V]
		3	No Hazard.	0[V]
		4	No Hazard.	0[V]
		5	No Hazard.	0[V]
	Short	1-2	No Hazard.	0[V]
		2-3	No Hazard.	0[V]
		4-5	No Hazard.	0[V]
IC703	Open	1	Normal operation.	
		2	Normal operation.	
		3	No Hazard.	0[V]
		4	No Hazard.	0[V]
		5	Normal operation.	
	Short	1-2	Normal operation.	
		2-3	No Hazard.	0[V]
		4-5	No Hazard.	0[V]
L101	Open		No Hazard.	0[V]
	Short		Normal operation.	
L151	Open		No Hazard.	0[V]
	Short		No Hazard.	0[V]

F M E A

Component	Mode		Comment	Output Voltage (V)
PC201	Open	A, K	No Hazard.	0[V]
		C, E	No Hazard.	0[V]
	Short	A-K	No Hazard.	0[V]
		C-E	No Hazard.	0[V]
PC301	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	No Hazard.	0[V]
PTH701	Open		No Hazard.	0[V]
	Short		Normal operation.	
T102	Open	1	No Hazard.	0[V]
		2	No Hazard.	0[V]
		3	Normal operation.	
		4	Normal operation.	
	Short	1-2	Normal operation.	
		3-4	Normal operation.	
TR101	Open	C	No Hazard.	0[V]
		E	No Hazard.	0[V]
		B	No Hazard.	0[V]
	Short	C-E	No Hazard.	0[V]
		E-B	No Hazard.	0[V]
		B-C	No Hazard.	0[V]
TR102	Open	C	No Hazard.	0[V]
		E	No Hazard.	0[V]

F M E A

Component	Mode		Comment	Output Voltage (V)
TR102	Open	B	No Hazard.	0[V]
	Short	C-E	No Hazard.	0[V]
		E-B	No Hazard.	0[V]
		B-C	No Hazard.	0[V]
TR103	Open	D	See 29 Page.	
		S	See 29 Page.	
		G	See 29 Page.	
	Short	D-S	See 29 Page.	
		S-G	See 29 Page.	
		G-D	See 29 Page.	
TR104	Open	D	See 29 Page.	
		S	See 29 Page.	
		G	See 29 Page.	
	Short	D-S	See 29 Page.	
		S-G	See 29 Page.	
		G-D	See 30 Page.	
TR105	Open	D	See 30 Page.	
		S	See 30 Page.	
		G	See 30 Page.	
	Short	D-S	See 30 Page.	
		S-G	See 30 Page.	
		G-D	See 30 Page.	
TR151	Open	C	Normal operation.	
		E	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR151	Open	B	Normal operation.	
	Short	C-E	See 30 Page.	
		E-B	Normal operation.	
		B-C	No Hazard.	0[V]
TR152	Open	C6	Normal operation.	
		E1	Normal operation.	
		B2	Normal operation.	
		C3	Normal operation.	
		E4	Normal operation.	
		B5	Normal operation.	
	Short	C6-E1	No Hazard.	0[V]
		E1-B2	Normal operation.	
		B2-C6	No Hazard.	0[V]
		C3-E4	No Hazard.	0[V]
		E4-B5	Normal operation.	
		B5-C3	No Hazard.	0[V]
TR153	Open	C	No Hazard.	0[V]
		E	No Hazard.	0[V]
		B	No Hazard.	0[V]
	Short	C-E	Normal operation.	
		E-B	No Hazard.	0[V]
		B-C	Normal operation.	
TR201	Open	D Only 033,050	No Hazard.	0[V]
		S Only 033,050	No Hazard.	0[V]

F M E A

Component	Mode		Comment	Output Voltage (V)
TR201	Open	G Only 033,050	No Hazard.	0[V]
	Short	D-S Only 033,050	Normal operation.	
		S-G Only 033,050	No Hazard.	0[V]
		G-D Only 033,050	No Hazard.	0[V]
TR202	Open	C Only 033,050	Normal operation.	
		E Only 033,050	Normal operation.	
		B Only 033,050	Normal operation.	
	Short	C-E	No Hazard.	0[V]
		E-B	Normal operation.	
		B-C	No Hazard.	0[V]
TR203	Open	C	No Hazard.	0[V]
		E	No Hazard.	0[V]
		B	No Hazard.	0[V]
	Short	C-E	No Hazard.	0[V]
		E-B	Normal operation.	
		B-C	No Hazard.	0[V]
TR204	Open	C	No Hazard.	0[V]
		E	No Hazard.	0[V]
		B	No Hazard.	0[V]
	Short	C-E	No Hazard.	0[V]
		E-B	No Hazard.	0[V]
		B-C	No Hazard.	0[V]
TR251	Open	C	Normal operation.	
		E	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR251	Open	B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR252	Open	D6 Only 015, 018, 025	Normal operation.	
		S1 Only 015, 018, 025	Normal operation.	
		G2 Only 015, 018, 025	Normal operation.	
		D3 Only 015, 018, 025	Normal operation.	
		S4 Only 015, 018, 025	Normal operation.	
		G5 Only 015, 018, 025	Normal operation.	
	Short	D6-S1 Only 015, 018, 025	Normal operation.	
		S1-G2 Only 015, 018, 025	Normal operation.	
		G2-D6 Only 015, 018, 025	No Hazard.	0[V]
		D3-S4 Only 015, 018, 025	No Hazard.	0[V]
		S4-G5 Only 015, 018, 025	Normal operation.	
		G5-D3 Only 015, 018, 025	No Hazard.	0[V]
TR253	Open	E1 Only 015, 018, 025	No Hazard.	0[V]
		B2 Only 015, 018, 025	No Hazard.	0[V]
		C6 Only 015, 018, 025	No Hazard.	0[V]
		E4 Only 015, 018, 025	Normal operation.	
		B5 Only 015, 018, 025	Normal operation.	
		C3 Only 015, 018, 025	Normal operation.	
	Short	E1-B2 Only 015, 018, 025	Normal operation.	
		B2-C6 Only 015, 018, 025	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR253	Short	C6-E1 Only 015, 018, 025	Normal operation.	
		E4-B5 Only 015, 018, 025	Normal operation.	
		B5-C3 Only 015, 018, 025	No Hazard.	0[V]
		C3-E4 Only 015, 018, 025	No Hazard.	0[V]
	Open	C Only 033, 050	No Hazard.	0[V]
		E Only 033, 050	No Hazard.	0[V]
		B Only 033, 050	No Hazard.	0[V]
	Short	C-E Only 033, 050	Normal operation.	
		E-B Only 033, 050	Normal operation.	
		B-C Only 033, 050	Normal operation.	
TR254	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	0[V]
		E-B	No Hazard.	0[V]
		B-C	Normal operation.	
TR303	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	0[V]
		E-B	Normal operation.	
		B-C	No Hazard.	0[V]
TR304	Open	C	Normal operation.	
		E	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR304	Open	B	Normal operation.	
	Short	C-E	No Hazard.	0[V]
		E-B	Normal operation.	
		B-C	No Hazard.	0[V]
TR306	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	Normal operation.	
		G-D	Normal operation.	
TR308	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	No Hazard.	0[V]
		S-G	Normal operation.	
		G-D	No Hazard.	0[V]
TR351	Open	C6	Normal operation.	
		E1	Normal operation.	
		B2	Normal operation.	
		C3	Normal operation.	
		E4	Normal operation.	
		B5	Normal operation.	
	Short	C6-E1	No Hazard.	0[V]
		E1-B2	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR351	Short	B2-C6	No Hazard.	0[V]
		C3-E4	Normal operation.	
		E4-B5	Normal operation.	
		B5-C3	Normal operation.	
TR501	Open	D	See 30 Page.	
		S	See 30 Page.	
		G	See 30 Page.	
	Short	D-S	See 30 Page.	
		S-G	See 30 Page.	
		G-D	See 30 Page.	
TR502	Open	D	See 30 Page.	
		S	See 30 Page.	
		G	See 30 Page.	
	Short	D-S	See 30 Page.	
		S-G	See 30 Page.	
		G-D	See 30 Page.	
TR503	Open	D	See 30 Page.	
		S	See 30 Page.	
		G	See 30 Page.	
	Short	D-S	See 30 Page.	
		S-G	See 31 Page.	
		G-D	See 31 Page.	
TR504	Open	D Except 050, 120, 150	See 32 Page.	
		S Except 050, 120, 150	See 32 Page.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR504	Open	G Except 050, 120, 150	See 32 Page.	
	Short	D-S Except 050, 120, 150	See 32 Page.	
		S-G Except 050, 120, 150	See 32 Page.	
		G-D Except 050, 120, 150	See 32 Page.	
TR505	Open	D	See 31 Page.	
		S	See 31 Page.	
		G	See 31 Page.	
	Short	D-S	See 31 Page.	
		S-G	See 31 Page.	
		G-D	See 31 Page.	
TR506	Open	D	See 31 Page.	
		S	See 31 Page.	
		G	See 31 Page.	
	Short	D-S	See 31 Page.	
		S-G	See 31 Page.	
		G-D	See 31 Page.	
TR507	Open	D	See 31 Page.	
		S	See 31 Page.	
		G	See 31 Page.	
	Short	D-S	See 31 Page.	
		S-G	See 32 Page.	
		G-D	See 32 Page.	
TR508	Open	D	See 31 Page.	0[V]
		S	See 31 Page.	0[V]

F M E A

Component	Mode		Comment	Output Voltage (V)
TR508	Open	G	See 31 Page.	0[V]
	Short	D-S	See 31 Page.	0[V]
		S-G	See 31 Page.	0[V]
		G-D	See 31 Page.	0[V]
TR601	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	Normal operation.	
		G-D	Normal operation.	
TR602	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	Normal operation.	
		G-D	Normal operation.	
TR603	Open	D	No Hazard.	0[V]
		S	No Hazard.	0[V]
		G	Normal operation.	
	Short	D-S	No Hazard.	0[V]
		S-G	No Hazard.	0[V]
		G-D	See 32 Page.	
TR604	Open	D	No Hazard.	0[V]
		S	No Hazard.	0[V]

F M E A

Component	Mode		Comment	Output Voltage (V)
TR604	Open	G	No Hazard.	0[V]
	Short	D-S	See 32 Page.	
		S-G	No Hazard.	0[V]
		G-D	No Hazard.	0[V]
TR605	Open	D	No Hazard.	0[V]
		S	No Hazard.	0[V]
		G	No Hazard.	0[V]
	Short	D-S	No Hazard.	0[V]
		S-G	No Hazard.	0[V]
		G-D	See 32 Page.	
TR701	Open	C	No Hazard.	0[V]
		E	No Hazard.	0[V]
		B	No Hazard.	0[V]
	Short	C-E	No Hazard.	0[V]
		E-B	No Hazard.	0[V]
		B-C	No Hazard.	0[V]
TR702	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	0[V]
		E-B	Normal operation.	
		B-C	No Hazard.	0[V]
TR703	Open	C	Normal operation.	
		E	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR703	Open	B	Normal operation.	
	Short	C-E	No Hazard.	0[V]
		E-B	Normal operation.	
		B-C	No Hazard.	0[V]
TR704	Open	C	No Hazard.	0[V]
		E	No Hazard.	0[V]
		B	No Hazard.	0[V]
	Short	C-E	No Hazard.	0[V]
		E-B	No Hazard.	0[V]
		B-C	No Hazard.	0[V]
ZD151	Open		No Hazard.	0[V]
	Short		Normal operation.	
ZD152	Open		No Hazard.	0[V]
	Short		Normal operation.	
ZD201	Open		Normal operation.	
	Short		No Hazard.	0[V]
ZD251	Open		Normal operation.	
	Short		Normal operation.	
ZD252	Open		No Hazard.	0[V]
	Short		Normal operation.	
ZD254	Open		Normal operation.	
	Short		Normal operation.	
ZD302	Open		Normal operation.	
	Short		No Hazard.	0[V]

F M E A

Component	Mode	Comment	Output Voltage (V)
ZD601	Open	Normal operation.	
	Short	No Hazard.	0[V]
ZD602	Open	No Hazard.	0[V]
	Short	No Hazard.	0[V]
ZD603	Open	Normal operation.	
	Short	Normal operation.	
ZD701	Open	No Hazard.	0[V]
	Short	No Hazard.	0[V]
R101	Open	No Hazard.	0[V]
R102	Open	See 31 Page.	0[V]
R103	Open	Normal operation.	
R104	Open	No Hazard.	0[V]
R105	Open	No Hazard.	0[V]
R106	Open	No Hazard.	0[V]
R107	Open	No Hazard.	0[V]
R108	Open	Normal operation.	
R109	Open	Normal operation.	
R151	Open	Normal operation.	
R152	Open	Normal operation.	
R153	Open	Normal operation.	
R154	Open	Normal operation.	
R155	Open	Normal operation.	
R156	Open	Normal operation.	
R157	Open	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
R158	Open		Normal operation.	
R159	Open		Normal operation.	
R160	Open		Normal operation.	
R161	Open		Normal operation.	
R163	Open		No Hazard.	0[V]
R201	Open		No Hazard.	0[V]
R202	Open		No Hazard.	0[V]
R203	Open		Normal operation.	
R204	Open		Normal operation.	
R206	Open		Normal operation.	
R207	Open		No Hazard.	0[V]
R208	Open	Except 050, 120, 150	No Hazard.	0[V]
		Only 050, 120, 150	No Hazard.	0[V]
R209	Open		No Hazard.	0[V]
R210	Open		No Hazard.	0[V]
R211	Open		No Hazard.	0[V]
R213	Open		No Hazard.	0[V]
R214	Open	Only 033, 050	Normal operation.	
R215	Open	Only 033, 050	Normal operation.	
R216	Open	Only 033, 050	Normal operation.	
R217	Open	Only 050, 120, 150	No Hazard.	0[V]
R220	Open	Only 120, 150	Normal operation.	
R251	Open		Normal operation.	
R252	Open		No Hazard.	0[V]

F M E A

Component	Mode		Comment	Output Voltage (V)
R253	Open		Normal operation.	
R254	Open		No Hazard.	0[V]
R255	Open		No Hazard.	0[V]
R257	Open		Normal operation.	
R258	Open		Normal operation.	
R259	Open		Normal operation.	
R260	Open		No Hazard.	0[V]
R261	Open		Normal operation.	
R262	Open		Normal operation.	
R305	Open		Normal operation.	
R306	Open		Normal operation.	
R307	Open		No Hazard.	0[V]
R308	Open		Normal operation.	
R310	Open	Only 015, 018, 025	Normal operation.	
		Only 033	Normal operation.	
		Only 050, 120, 150	Normal operation.	
R351	Open		Output voltage decreased. No hazard.	Decreased
R352	Open		Normal operation.	
R353	Open		Output voltage decreased. No hazard.	Decreased
R354	Open		Output voltage decreased. No hazard.	Decreased
R355	Open		Output voltage decreased. No hazard.	Decreased
R356	Open		Output voltage decreased. No hazard.	Decreased
R358	Open		Normal operation.	
R359	Open		Output voltage decreased. No hazard.	Decreased

F M E A

Component	Mode		Comment	Output Voltage (V)
R360	Open		Output voltage decreased. No hazard.	Decreased
R501	Open		Normal operation.	
R502	Open	Only 050	Normal operation.	
R503	Open	Only 050, 120, 150	Normal operation.	
R504	Open		Normal operation.	
R511	Open	Only 050, 120, 150	Normal operation.	
R512	Open	Only 050, 120, 150	Normal operation.	
R513	Open	Only 050, 120, 150	Normal operation.	
R601	Open		Normal operation.	
R602	Open		Normal operation.	
R603	Open		Normal operation.	
R604	Open	Only 050, 120, 150	Normal operation.	
R605	Open		Normal operation.	
R606	Open		No Hazard.	0[V]
R607	Open		Normal operation.	
R608	Open		Normal operation.	
R609	Open	Only 050, 120, 150	No Hazard.	0[V]
R701	Open		No Hazard.	0[V]
R702	Open		Normal operation.	
R703	Open		Normal operation.	
R705	Open		Normal operation.	
R707	Open		Normal operation.	
R708	Open		Normal operation.	
R709	Open		No Hazard.	0[V]

F M E A

Component	Mode		Comment	Output Voltage (V)
R710	Open		Normal operation.	
R711	Open		Normal operation.	
R712	Open		No Hazard.	0[V]
R713	Open		No Hazard.	0[V]
R714	Open		Normal operation.	
R715	Open		Normal operation.	
R716	Open		No Hazard.	0[V]
R717	Open		Normal operation.	
R718	Open		No Hazard.	0[V]
R719	Open		No Hazard.	0[V]
R720	Open		No Hazard.	0[V]
R721	Open	Only 015	No Hazard.	0[V]
	Short	Only 015	No Hazard.	0[V]
R722	Open		No Hazard.	0[V]
R723	Open		No Hazard.	0[V]
R724	Open		Output voltage increased. No hazard.	107[%]
R725	Open		No Hazard.	0[V]
R726	Open		Normal operation.	
R727	Open		No Hazard.	0[V]
R728	Open		Normal operation.	
R729	Open		No Hazard.	0[V]
R733	Open		Normal operation.	
R734	Open		Normal operation.	
R735	Open		Normal operation.	

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C107	Short		No Hazard.	0[V]
C152	Short		No Hazard.	0[V]
C205	Short		No Hazard.	0[V]
C206	Short		No Hazard.	0[V]
C601	Short		No Hazard.	0[V]
C602	Short		No Hazard.	0[V]
C603	Open		No Hazard.	0[V]
C604	Open		No Hazard.	0[V]
C701	Short		No Hazard.	0[V]
C703	Short		No Hazard.	0[V]
D101	Open		No Hazard.	0[V]
D603	Open		No Hazard.	0[V]
	Short		No Hazard.	0[V]
TR103	Open	D	No Hazard.	0[V]
		S	No Hazard.	0[V]
		G	No Hazard.	0[V]
	Short	D-S	External Fuse opened, No hazard.	0[V]
		S-G	No Hazard.	0[V]
		G-D	External Fuse opened, No hazard.	0[V]
TR104	Open	D	No Hazard.	0[V]
		S	No Hazard.	0[V]
		G	No Hazard.	0[V]
	Short	D-S	External Fuse opened, No hazard.	0[V]
		S-G	No Hazard.	0[V]

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR104	Short	G-D	External Fuse opened, No hazard.	0[V]
TR105	Open	D	No Hazard.	0[V]
		S	No Hazard.	0[V]
		G	No Hazard.	0[V]
	Short	D-S	External Fuse opened, No hazard.	0[V]
		S-G	No Hazard.	0[V]
		G-D	External Fuse opened, No hazard.	0[V]
TR151	Short	C-E	No Hazard.	0[V]
TR501	Open	D	No Hazard.	0[V]
		S	No Hazard.	0[V]
		G	No Hazard.	0[V]
	Short	D-S	No Hazard.	0[V]
		S-G	No Hazard.	0[V]
		G-D	No Hazard.	0[V]
TR502	Open	D	No Hazard.	0[V]
		S	No Hazard.	0[V]
		G	No Hazard.	0[V]
	Short	D-S	No Hazard.	0[V]
		S-G	No Hazard.	0[V]
		G-D	No Hazard.	0[V]
TR503	Open	D	No Hazard.	0[V]
		S	No Hazard.	0[V]
		G	No Hazard.	0[V]
	Short	D-S	No Hazard.	0[V]

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR503	Short	S-G	No Hazard.	0[V]
		G-D	No Hazard.	0[V]
TR504	Open	D Except 050, 120, 150	No Hazard.	0[V]
		S Except 050, 120, 150	No Hazard.	0[V]
		G Except 050, 120, 150	No Hazard.	0[V]
	Short	D-S Except 050, 120, 150	No Hazard.	0[V]
		S-G Except 050, 120, 150	No Hazard.	0[V]
		G-D Except 050, 120, 150	No Hazard.	0[V]
TR505	Open	D	No Hazard.	0[V]
		S	No Hazard.	0[V]
		G	No Hazard.	0[V]
	Short	D-S	No Hazard.	0[V]
		S-G	No Hazard.	0[V]
		G-D	No Hazard.	0[V]
TR506	Open	D	No Hazard.	0[V]
		S	No Hazard.	0[V]
		G	No Hazard.	0[V]
	Short	D-S	No Hazard.	0[V]
		S-G	No Hazard.	0[V]
		G-D	No Hazard.	0[V]
TR507	Open	D	No Hazard.	0[V]
		S	No Hazard.	0[V]
		G	No Hazard.	0[V]
	Short	D-S	No Hazard.	0[V]

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR507	Short	S-G	No Hazard.	0[V]
		G-D	No Hazard.	0[V]
TR508	Open	D Except 050, 120, 150	No Hazard.	0[V]
		S Except 050, 120, 150	No Hazard.	0[V]
		G Except 050, 120, 150	No Hazard.	0[V]
	Short	D-S Except 050, 120, 150	No Hazard.	0[V]
		S-G Except 050, 120, 150	No Hazard.	0[V]
		G-D Except 050, 120, 150	No Hazard.	0[V]
TR603	Short	G-D	No Hazard.	0[V]
TR604	Short	D-S	No Hazard.	0[V]
TR605	Short	G-D	No Hazard.	0[V]
R102	Open		No Hazard.	0[V]