

ABNORMAL TEST RESULT

OF MODEL CHS80

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 : 2/18 ~ 16/18)

(Abnormal Test Result: 17/18 ~ 18/18)

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.	
C102	Open	No Hazard.	
	Short	No Hazard.	
C103	Open	No Hazard.	
	Short	No Hazard.	
C107	Open	Normal operation.	
	Short	Normal operation.	
C110	Open	Normal operation.	
	Short	Normal operation.	
C161	Open	Normal operation.	
	Short	See 17 Page.	
C201	Open	Normal operation.	
	Short	No Hazard.	
C202	Open	Normal operation.	
	Short	Normal operation.	
C203	Open	No Hazard.	
	Short	No Hazard.	
C204	Open	Normal operation.	
	Short	No Hazard.	
C205	Open	Normal operation.	
	Short	Normal operation.	
C206	Open	Normal operation.	
	Short	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
C301	Open	Normal operation.	
	Short	See 17 Page.	
C302	Open	No Hazard.	
	Short	No Hazard.	
C303	Open	Normal operation.	
	Short	External Fuse opened, No hazard.	
C304	Open	Normal operation.	
	Short	No Hazard.	
C305	Open	No Hazard.	
	Short	Normal operation.	
C306	Open	Normal operation.	
	Short	No Hazard.	
C307	Open	No Hazard.	
	Short	No Hazard.	
C308	Open	No Hazard.	
	Short	No Hazard.	
C310	Open	External Fuse opened, No hazard.	
	Short	External Fuse opened, No hazard.	
C311	Open	External Fuse opened, No hazard.	
	Short	External Fuse opened, No hazard.	
C501	Open	Normal operation.	
	Short	No Hazard.	
C502	Open	Normal operation.	
	Short	No Hazard.	

F M E A

Component	Mode	Comment	Output Voltage (V)
C503	Open	Normal operation.	
	Short	No Hazard.	
C504	Open	Normal operation.	
	Short	No Hazard.	
C505	Open	Normal operation.	
	Short	No Hazard.	
C506	Open	Normal operation.	
	Short	No Hazard.	
C511	Open	Normal operation.	
	Short	No Hazard.	
C601	Open	Normal operation.	
	Short	Normal operation.	
C602	Open	No Hazard.	
	Short	No Hazard.	
C611	Open	Normal operation.	
	Short	Normal operation.	
C612	Open	No Hazard.	
	Short	No Hazard.	
C702	Open	Normal operation.	
	Short	No Hazard.	
C703	Open	Normal operation.	
	Short	No Hazard.	
C704	Open	Normal operation.	
	Short	No Hazard.	

F M E A

Component	Mode	Comment	Output Voltage (V)
C705	Open	Normal operation.	
	Short	Normal operation.	
C706	Open	Normal operation.	
	Short	No Hazard.	
C710	Open	Normal operation.	
	Short	No Hazard.	
C713	Open	Normal operation.	
	Short	No Hazard.	
C714	Open	No Hazard.	
	Short	No Hazard.	
C717	Open	Normal operation.	
	Short	Normal operation.	
C718	Open	Normal operation.	
	Short	Normal operation.	
C721	Open	Normal operation.	
	Short	No Hazard.	
C722	Open	Normal operation.	
	Short	No Hazard.	
D101	Open	Normal operation.	
	Short	Normal operation.	
D102	Open	Normal operation.	
	Short	Normal operation.	
D103	Open	Normal operation.	
	Short	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
D301	Open		No Hazard.	
	Short		No Hazard.	
D302	Open		Normal operation.	
	Short		External Fuse opened, No hazard.	
D303	Open		Normal operation.	
	Short		External Fuse opened, No hazard.	
D304	Open		Normal operation.	
	Short		Normal operation.	
D601	Open		Normal operation.	
	Short		Normal operation.	
D611	Open		Normal operation.	
	Short		Normal operation.	
D701	Open		No Hazard.	
	Short		Normal operation.	
D705	Open		Normal operation.	
	Short		Normal operation.	
D706	Open		Normal operation.	
	Short		Normal operation.	
IC201	Open	1	No Hazard.	
		2	No Hazard.	
		3	No Hazard.	
		4	No Hazard.	
		5	Normal operation.	
		6	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Open	7	Normal operation.	
		8	No Hazard.	
	Short	1-2	No Hazard.	
		2-3	Normal operation.	
		3-4	No Hazard.	
		5-6	No Hazard.	
		6-7	Normal operation.	
		7-8	Normal operation.	
IC301	Open	1	No Hazard.	
		2	No Hazard.	
		3	Normal operation.	
		4	No Hazard.	
		5	No Hazard.	
		6	Normal operation.	
		7	Normal operation.	
		8	Normal operation.	
		9	Normal operation.	
		10	Normal operation.	
		11	No Hazard.	
		12	No Hazard.	
		13	External Fuse opened, No hazard.	
		14	External Fuse opened, No hazard.	
		15	Normal operation.	
		16	No Hazard.	

F M E A

Component	Mode		Comment	Output Voltage (V)
IC301	Open	17	External Fuse opened, No hazard.	
		18	External Fuse opened, No hazard.	
		19	No Hazard.	
		20	Normal operation.	
	Short	1-2	No Hazard.	
		2-3	No Hazard.	
		3-4	No Hazard.	
		4-5	No Hazard.	
		5-6	No Hazard.	
		6-7	Normal operation.	
		7-8	No Hazard.	
		8-9	Normal operation.	
		9-10	Normal operation.	
		11-12	No Hazard.	
		12-13	No Hazard.	
		13-14	External Fuse opened, No hazard.	
		14-15	No Hazard.	
		15-16	See 17 Page.	
		16-17	External Fuse opened, No hazard.	
		17-18	Normal operation.	
		18-19	External Fuse opened, No hazard.	
		19-20	No Hazard.	
IC702	Open	1	No Hazard.	
		2	No Hazard.	

F M E A

Component	Mode		Comment	Output Voltage (V)
IC702	Open	3	No Hazard.	
		4	No Hazard.	
		5	No Hazard.	
	Short	1-2	No Hazard.	
		3-4	No Hazard.	
		4-5	No Hazard.	
IC703	Open	1	Normal operation.	
		2	Normal operation.	
		3	No Hazard.	
		4	No Hazard.	
		5	Normal operation.	
	Short	1-2	Normal operation.	
		3-4	Normal operation.	
		4-5	No Hazard.	
L101	Open		No Hazard.	
	Short		Normal operation.	
L161	Open		No Hazard.	
	Short		No Hazard.	
L501	Open		No Hazard.	
	Short		No Hazard.	
PC301	Open	A, K	No Hazard.	
		C, E	No Hazard.	
	Short	A-K	No Hazard.	
		C-E	No Hazard.	

F M E A

Component	Mode		Comment	Output Voltage (V)
SS161	Open	D	No Hazard.	
		S	No Hazard.	
TH201	Open	D	Normal operation.	
		S	No Hazard.	
TR101	Open	D	See 17 Page.	
		S	See 17 Page.	
		G	See 17 Page.	
	Short	D-S	See 17 Page.	
		S-G	See 17 Page.	
		G-D	See 17 Page.	
TR102	Open	D	See 17 Page.	
		S	See 17 Page.	
		G	See 17 Page.	
	Short	D-S	See 17 Page.	
		S-G	See 17 Page.	
		G-D	See 17 Page.	
TR201	Open	D	Normal operation.	
		S	Normal operation.	
		G	No Hazard.	
	Short	D-S	No Hazard.	
		S-G	Normal operation.	
		G-D	No Hazard.	
TR501	Open	D	No Hazard.	
		S	No Hazard.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR501	Open	G	No Hazard.	
	Short	D-S	No Hazard.	
		S-G	No Hazard.	
		G-D	External Fuse opened, No hazard.	
TR502	Open	D	No Hazard.	
		S	No Hazard.	
		G	No Hazard.	
	Short	D-S	No Hazard.	
		S-G	No Hazard.	
		G-D	External Fuse opened, No hazard.	
TR601	Open	C	Normal operation.	
		E	Normal operation.	
		B	External Fuse opened, No hazard.	
	Short	C-E	External Fuse opened, No hazard.	
		E-B	Normal operation.	
		B-C	External Fuse opened, No hazard.	
TR602	Open	C	External Fuse opened, No hazard.	
		E	External Fuse opened, No hazard.	
		B	External Fuse opened, No hazard.	
	Short	C-E	See 17 Page.	
		E-B	Normal operation.	
		B-C	See 17 Page.	
TR603	Open	C	External Fuse opened, No hazard.	
		E	External Fuse opened, No hazard.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR603	Open	B	External Fuse opened, No hazard.	
	Short	C-E	Normal operation.	
		E-B	External Fuse opened, No hazard.	
		B-C	See 17 Page.	
TR611	Open	C	Normal operation.	
		E	Normal operation.	
		B	External Fuse opened, No hazard.	
	Short	C-E	External Fuse opened, No hazard.	
		E-B	Normal operation.	
		B-C	External Fuse opened, No hazard.	
TR612	Open	C	External Fuse opened, No hazard.	
		E	External Fuse opened, No hazard.	
		B	External Fuse opened, No hazard.	
	Short	C-E	See 17 Page.	
		E-B	Normal operation.	
		B-C	See 17 Page.	
TR613	Open	C	External Fuse opened, No hazard.	
		E	External Fuse opened, No hazard.	
		B	External Fuse opened, No hazard.	
	Short	C-E	Normal operation.	
		E-B	External Fuse opened, No hazard.	
		B-C	See 17 Page.	
TR701	Open	C	Normal operation.	
		E	No Hazard.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR701	Open	B	No Hazard.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR702	Open	C	No Hazard.	
		E	No Hazard.	
		B	No Hazard.	
	Short	C-E	No Hazard.	
		E-B	Normal operation.	
		B-C	No Hazard.	
ZD201	Open		Normal operation.	
	Short		Normal operation.	
ZD601	Open		Normal operation.	
	Short		See 17 Page.	
ZD611	Open		Normal operation.	
	Short		See 17 Page.	
ZD701	Open		Normal operation.	
	Short		No Hazard.	
R101	Open		No Hazard.	
R102	Open		No Hazard.	
R103	Open		No Hazard.	
R104	Open		No Hazard.	
R105	Open		No Hazard.	
R106	Open		Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R107	Open	Normal operation.	
R108	Open	Normal operation.	
R109	Open	Normal operation.	
R110	Open	Normal operation.	
R111	Open	Normal operation.	
R112	Open	Normal operation.	
R113	Open	Normal operation.	
R161	Open	No Hazard.	
R201	Open	No Hazard.	
R202	Open	No Hazard.	
R203	Open	Normal operation.	
R204	Open	No Hazard.	
R205	Open	No Hazard.	
R206	Open	No Hazard.	
R207	Open	Normal operation.	
R208	Open	Normal operation.	
R209	Open	Normal operation.	
R210	Open	No Hazard.	
R211	Open	Normal operation.	
R212	Open	Normal operation.	
R213	Open	Normal operation.	
R214	Open	Normal operation.	
R215	Open	Normal operation.	
R217	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R218	Open	Normal operation.	
R301	Open	Normal operation.	
R302	Open	No Hazard.	
R303	Open	No Hazard.	
R304	Open	No Hazard.	
R305	Open	No Hazard.	
R306	Open	Normal operation.	
R309	Open	No Hazard.	
R310	Open	Normal operation.	
R311	Open	External Fuse opened, No hazard.	
R312	Open	External Fuse opened, No hazard.	
R313	Open	Normal operation.	
R314	Open	No Hazard.	
R315	Open	Normal operation.	
R601	Open	See 17 Page.	
R602	Open	Normal operation.	
R603	Open	Normal operation.	
R604	Open	External Fuse opened, No hazard.	
R605	Open	Normal operation.	
R606	Open	No Hazard.	
R607	Open	See 18 Page.	
R608	Open	Normal operation.	
R611	Open	See 18 Page.	
R612	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R613	Open	Normal operation.	
R614	Open	External Fuse opened, No hazard.	
R615	Open	Normal operation.	
R616	Open	No Hazard.	
R617	Open	Normal operation.	
R618	Open	Normal operation.	
R701	Open	No Hazard.	
R704	Open	No Hazard.	
R707	Open	Normal operation.	
R713	Open	No Hazard.	
R714	Open	No Hazard.	
R716	Open	No Hazard.	
R718	Open	No Hazard.	
R719	Open	No Hazard.	
R720	Open	No Hazard.	
R722	Open	No Hazard.	
R723	Open	No Hazard.	
R724	Open	Normal operation.	
R725	Open	No Hazard.	
R727	Open	No Hazard.	
R728	Open	Normal operation.	
R729	Open	No Hazard.	
R733	Open	Normal operation.	
R734	Open	Normal operation.	

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C161	Short		No Hazard.	
C301	Short		No Hazard.	
IC301	Short	15-16	No Hazard.	
TR101	Open	D	No Hazard.	
		S	No Hazard.	
		G	No Hazard.	
	Short	D-S	No Hazard.	
		S-G	No Hazard.	
		G-D	External Fuse opened, No hazard.	
TR102	Open	D	No Hazard.	
		S	No Hazard.	
		G	No Hazard.	
	Short	D-S	No Hazard.	
		S-G	No Hazard.	
		G-D	External Fuse opened, No hazard.	
TR602	Short	C-E	No Hazard.	
		B-C	No Hazard.	
TR603	Short	B-C	No Hazard.	
TR612	Short	C-E	No Hazard.	
		B-C	No Hazard.	
TR613	Short	B-C	No Hazard.	
ZD601	Short		No Hazard.	
ZD611	Short		No Hazard.	
R601	Open		No Hazard.	

ABNORMAL TEST RESULT

Component	Mode	Comment	Output Voltage (V)
R607	Open	No Hazard.	
R611	Open	No Hazard.	
R607	Open	No Hazard.	