

ABNORMAL TEST RESULT

OF MODEL ACP450F380

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 : 2/20 ~ 18/20)

(Abnormal Test Result: 19/20 ~ 20/20)

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.	V_OUT:*
	Short	F101 opened, No hazard.	V_OUT:0
C102	Open	Normal operation.	V_OUT:*
	Short	F101 opened, No hazard.	V_OUT:0
C103	Open	Normal operation.	V_OUT:*
	Short	Normal operation.	V_OUT:*
C106	Open	Normal operation.	V_OUT:*
	Short	F101 opened, No hazard.	V_OUT:0
C107	Open	Normal operation.	V_OUT:*
	Short	F101 opened, No hazard.	V_OUT:0
C108	Open	Normal operation.	V_OUT:*
	Short	No Hazard.	V_OUT:0
C109	Open	No Hazard.	V_OUT:0
	Short	No Hazard.	V_OUT:0
C110	Open	No Hazard.	V_OUT:0
	Short	F101 opened, No hazard.	V_OUT:0
C111	Open	Normal operation.	V_OUT:*
	Short	No Hazard.	V_OUT:0
C113	Open	Normal operation.	V_OUT:*
	Short	Normal operation.	V_OUT:*
C114	Open	Normal operation.	V_OUT:*
	Short	No Hazard.	V_OUT:0
C115	Open	Normal operation.	V_OUT:*
	Short	No Hazard.	V_OUT:0

F M E A

Component	Mode	Comment	Output Voltage (V)
C116	Open	Normal operation.	V_OUT:*
	Short	Normal operation.	V_OUT:*
C117	Open	Normal operation.	V_OUT:*
	Short	No Hazard.	V_OUT:0
C122	Open	Normal operation.	V_OUT:*
	Short	Normal operation.	V_OUT:*
C123	Open	Normal operation.	V_OUT:*
	Short	Normal operation.	V_OUT:*
C125	Open	Normal operation.	V_OUT:*
	Short	F101 opened, No hazard.	V_OUT:0
C126	Open	Normal operation.	V_OUT:*
	Short	F101 opened, No hazard.	V_OUT:0
C129	Open	Normal operation.	V_OUT:*
	Short	Normal operation.	V_OUT:*
C130	Open	Normal operation.	V_OUT:*
	Short	Normal operation.	V_OUT:*
C151	Open	No Hazard.	V_OUT:0
	Short	No Hazard.	V_OUT:0
C171	Open	Normal operation.	V_OUT:*
	Short	Normal operation.	V_OUT:*
C172	Open	Normal operation.	V_OUT:*
	Short	Normal operation.	V_OUT:*
C173	Open	Normal operation.	V_OUT:*
	Short	No hazard.	V_OUT:0

F M E A

Component	Mode		Comment	Output Voltage (V)
C301	Open		No Hazard.	V_OUT:0
	Short		No Hazard.	V_OUT:0
C302	Open		See 19 Page.	V_OUT:
	Short		See 19 Page.	V_OUT:
C303	Open		Normal operation.	V_OUT:*
	Short		See 19 Page.	V_OUT:
C401	Open		Normal operation.	V_OUT:*
	Short		See 19 Page.	V_OUT:
C402	Open		Normal operation.	V_OUT:*
	Short		Normal operation.	V_OUT:*
C403	Open		Normal operation.	V_OUT:*
	Short		No Hazard.	V_OUT:0
C404	Open		Normal operation.	V_OUT:*
	Short		Normal operation.	V_OUT:*
C406	Open		Normal operation.	V_OUT:*
	Short		Normal operation.	V_OUT:*
C701	Open		Normal operation.	V_OUT:*
	Short		No Hazard.	V_OUT:0
C702	Open		Normal operation.	V_OUT:*
	Short		Normal operation.	V_OUT:*
CN101	Open	1, 2or4, 5	No Hazard.	V_OUT:0
	Short	1, 2-4, 5	F101 opened, No hazard.	V_OUT:0
CN102	Open	1, 2or4, 5	No Hazard.	V_OUT:0
	Short	1, 2-4, 5	F101 opened, No hazard.	V_OUT:0

F M E A

Component	Mode		Comment	Output Voltage (V)
CN701~705	Open	1	No Hazard.	V_OUT:0
		2	No Hazard.	V_OUT:0
		3, 4	No Hazard.	V_OUT:0
		5	Normal operation.	V_OUT:*
		6, 7	No Hazard.	V_OUT:0
	Short	1-2	Normal operation.	V_OUT:*
		2-3	No Hazard.	V_OUT:0
		3-4	Normal operation.	V_OUT:*
		4-5	Normal operation.	V_OUT:*
		5-6	Normal operation.	V_OUT:*
		6-7	No Hazard.	V_OUT:0
D101	Open		No Hazard.	V_OUT:0
	Short		Normal operation.	V_OUT:*
D102	Open		Normal operation.	V_OUT:*
	Short		Normal operation.	V_OUT:*
D103	Open		Normal operation.	V_OUT:*
	Short		No Hazard.	V_OUT:0
D104	Open		Normal operation.	V_OUT:*
	Short		F101 opened, No hazard.	V_OUT:0
D105	Open		Normal operation.	V_OUT:*
	Short		Normal operation.	V_OUT:*
D106	Open		Normal operation.	V_OUT:*
	Short		Normal operation.	V_OUT:*
D151	Open		No Hazard.	V_OUT:0

F M E A

Component	Mode		Comment	Output Voltage (V)
D151	Short		No Hazard.	V_OUT:0
D171	Open		No Hazard.	V_OUT:0
	Short		See 19 Page.	V_OUT:
D301	Open		Normal operation.	V_OUT:*
	Short		See 19 Page.	V_OUT:
D401	Open		No Hazard.	V_OUT:0
	Short		See 19 Page.	V_OUT:
D402	Open		Normal operation.	V_OUT:*
	Short		No Hazard.	V_OUT:0
F301	Open		No Hazard.	V_OUT:0
F701	Open		No Hazard.	V_OUT:0
FAN401	Open	1	No Hazard.	V_OUT:0
		2	Normal operation.	V_OUT:*
		3	No Hazard.	V_OUT:0
	Short	1-2	Normal operation.	V_OUT:*
		2-3	Normal operation.	V_OUT:*
IC101	Open	1	Normal operation.	V_OUT:*
		2	Normal operation.	V_OUT:*
		3	Normal operation.	V_OUT:*
		4	Normal operation.	V_OUT:*
		5	Normal operation.	V_OUT:*
		6	Normal operation.	V_OUT:*
		7	F101 opened, No hazard.	V_OUT:0
		8	F101 opened, No hazard.	V_OUT:0

F M E A

Component	Mode		Comment	Output Voltage (V)
IC101	Open	9	No Hazard.	V_OUT:0
		10	No Hazard.	V_OUT:0
		11	Normal operation.	V_OUT:*
		12	No Hazard.	V_OUT:0
		13	F101 opened, No hazard.	V_OUT:0
		14	Normal operation.	V_OUT:*
		15	F101 opened, No hazard.	V_OUT:0
		16	F101 opened, No hazard.	V_OUT:0
	Short	1-2	No Hazard.	V_OUT:0
		2-3	Normal operation.	V_OUT:*
		3-4	Normal operation.	V_OUT:*
		4-5	No Hazard.	V_OUT:0
		5-6	No Hazard.	V_OUT:0
		6-7	Normal operation.	V_OUT:*
		7-8	No Hazard.	V_OUT:0
		9-10	Normal operation.	V_OUT:*
		10-11	No Hazard.	V_OUT:0
		11-12	Normal operation.	V_OUT:*
		12-13	Normal operation.	V_OUT:*
		13-14	No Hazard.	V_OUT:0
		14-15	F101 opened, No hazard.	V_OUT:0
		15-16	F101 opened, No hazard.	V_OUT:0
IC171	Open	K	Normal operation.	V_OUT:*
		A	Normal operation.	V_OUT:*

F M E A

Component	Mode		Comment	Output Voltage (V)
IC171	Open	R	Normal operation.	V_OUT:*
	Short	A-K	Normal operation.	V_OUT:*
		K-R	Normal operation.	V_OUT:*
		R-A	Normal operation.	V_OUT:*
IC401	Open	1	No Hazard.	V_OUT:0
		2	No Hazard.	V_OUT:0
		3	No Hazard.	V_OUT:0
		4	Normal operation.	V_OUT:*
	Short	1-2	Normal operation.	V_OUT:*
		2-3	No Hazard.	V_OUT:0
		3-4	No Hazard.	V_OUT:0
IC402	Open	1	Normal operation.	V_OUT:*
		2	Normal operation.	V_OUT:*
		3	Normal operation.	V_OUT:*
	Short	1-2	See 19 Page.	V_OUT:
		2-3	Normal operation.	V_OUT:*
IC701	Open	1	Normal operation.	V_OUT:*
		2	No Hazard.	V_OUT:0
		3	Normal operation.	V_OUT:*
		4	Normal operation.	V_OUT:*
		5	Normal operation.	V_OUT:*
		6	Normal operation.	V_OUT:*
		7	Normal operation.	V_OUT:*
		8	Normal operation.	V_OUT:*

F M E A

Component	Mode		Comment	Output Voltage (V)
IC701	Short	1-2	Normal operation.	V_OUT:*
		2-3	Normal operation.	V_OUT:*
		3-4	Normal operation.	V_OUT:*
		5-6	Normal operation.	V_OUT:*
		6-7	Normal operation.	V_OUT:*
		7-8	Normal operation.	V_OUT:*
L101	Open		No Hazard.	V_OUT:0
	Short		Normal operation.	V_OUT:*
L102	Open		No Hazard.	V_OUT:0
	Short		Normal operation.	V_OUT:*
L105	Open	メイン	No Hazard.	V_OUT:0
		サブ	No Hazard.	V_OUT:0
	Short	メイン	F101 opened, No hazard.	V_OUT:0
		サブ	F101 opened, No hazard.	V_OUT:0
PC101	Open	A, K	Normal operation.	V_OUT:*
		C, E	Normal operation.	V_OUT:*
	Short	A-K	Normal operation.	V_OUT:*
		C-E	Normal operation.	V_OUT:*
R101	Open		Normal operation.	V_OUT:*
R102	Open		Normal operation.	V_OUT:*
R103	Open		Normal operation.	V_OUT:*
R104	Open		Normal operation.	V_OUT:*
R105	Open		Normal operation.	V_OUT:*
R106	Open		No Hazard.	V_OUT:0

F M E A

Component	Mode	Comment	Output Voltage (V)
R107	Open	No Hazard.	V_OUT:0
R108	Open	No Hazard.	V_OUT:0
R109	Open	Normal operation.	V_OUT:*
R110	Open	Normal operation.	V_OUT:*
R111	Open	Normal operation.	V_OUT:*
R112	Open	No Hazard.	V_OUT:0
R113	Open	Normal operation.	V_OUT:*
R114	Open	Normal operation.	V_OUT:*
R115	Open	Normal operation.	V_OUT:*
R116	Open	Normal operation.	V_OUT:*
R117	Open	No Hazard.	V_OUT:0
R118	Open	No Hazard.	V_OUT:0
R119	Open	No Hazard.	V_OUT:0
R120	Open	Normal operation.	V_OUT:*
R121	Open	F101 opened, No hazard.	V_OUT:0
R126	Open	No Hazard.	V_OUT:0
R128	Open	F101 opened, No hazard.	V_OUT:0
R129	Open	Normal operation.	V_OUT:*
R130	Open	F101 opened, No hazard.	V_OUT:0
R131	Open	F101 opened, No hazard.	V_OUT:0
R133	Open	Normal operation.	V_OUT:*
R134	Open	Normal operation.	V_OUT:*
R135	Open	Normal operation.	V_OUT:*
R136	Open	Normal operation.	V_OUT:*

F M E A

Component	Mode	Comment	Output Voltage (V)
R137	Open	Normal operation.	V_OUT:*
R138	Open	Normal operation.	V_OUT:*
R139	Open	No Hazard.	V_OUT:0
R140	Open	Normal operation.	V_OUT:*
R141	Open	Normal operation.	V_OUT:*
R142	Open	Normal operation.	V_OUT:*
R143	Open	Normal operation.	V_OUT:*
R144	Open	Normal operation.	V_OUT:*
R145	Open	Normal operation.	V_OUT:*
R146	Open	Normal operation.	V_OUT:*
R151	Open	Normal operation.	V_OUT:*
R153	Open	Normal operation.	V_OUT:*
R154	Open	No Hazard.	V_OUT:0
R155	Open	No Hazard.	V_OUT:0
R171	Open	Normal operation.	V_OUT:*
R172	Open	Normal operation.	V_OUT:*
R173	Open	Normal operation.	V_OUT:*
R174	Open	Normal operation.	V_OUT:*
R175	Open	Normal operation.	V_OUT:*
R176	Open	Normal operation.	V_OUT:*
R177	Open	Normal operation.	V_OUT:*
R178	Open	Normal operation.	V_OUT:*
R179	Open	Normal operation.	V_OUT:*
R180	Open	Normal operation.	V_OUT:*

F M E A

Component	Mode	Comment	Output Voltage (V)
R181	Open	No Hazard.	V_OUT:0
R182	Open	No Hazard.	V_OUT:0
R183	Open	Normal operation.	V_OUT:*
R184	Open	Normal operation.	V_OUT:*
R188	Open	Normal operation.	V_OUT:*
R189	Open	Normal operation.	V_OUT:*
R190	Open	Normal operation.	V_OUT:*
R191	Open	Normal operation.	V_OUT:*
R192	Open	Normal operation.	V_OUT:*
R301	Open	Normal operation.	V_OUT:*
R302	Open	Normal operation.	V_OUT:*
R303	Open	Normal operation.	V_OUT:*
R304	Open	Normal operation.	V_OUT:*
R305	Open	Normal operation.	V_OUT:*
R306	Open	Normal operation.	V_OUT:*
R307	Open	Normal operation.	V_OUT:*
R308	Open	Normal operation.	V_OUT:*
R309	Open	No Hazard.	V_OUT:0
R311	Open	No Hazard.	V_OUT:0
R312	Open	No Hazard.	V_OUT:0
R313	Open	Normal operation.	V_OUT:*
R314	Open	Normal operation.	V_OUT:*
R316	Open	Normal operation.	V_OUT:*
R317	Open	Normal operation.	V_OUT:*

F M E A

Component	Mode	Comment	Output Voltage (V)
R318	Open	Normal operation.	V_OUT:*
R319	Open	Normal operation.	V_OUT:*
R320	Open	No Hazard.	V_OUT:0
R321	Open	Normal operation.	V_OUT:*
R322	Open	Normal operation.	V_OUT:*
R401	Open	Normal operation.	V_OUT:*
R402	Open	Normal operation.	V_OUT:*
R404	Open	Normal operation.	V_OUT:*
R405	Open	Normal operation.	V_OUT:*
R409	Open	Normal operation.	V_OUT:*
R701	Open	No Hazard.	V_OUT:0
R702	Open	No Hazard.	V_OUT:0
R703	Open	No Hazard.	V_OUT:0
R704	Open	No Hazard.	V_OUT:0
R705	Open	No Hazard.	V_OUT:0
R706	Open	Normal operation.	V_OUT:*
R707	Open	No Hazard.	V_OUT:0
R708	Open	No Hazard.	V_OUT:0
R709	Open	Normal operation.	V_OUT:*
R710	Open	Normal operation.	V_OUT:*
R711	Open	No Hazard.	V_OUT:0
R712	Open	No Hazard.	V_OUT:0
R713	Open	No Hazard.	V_OUT:0
R714	Open	No Hazard.	V_OUT:0

F M E A

Component	Mode		Comment	Output Voltage (V)
R715	Open		No Hazard.	V_OUT:0
R716	Open		Normal operation.	V_OUT:*
SCR151	Open	T1	No Hazard.	V_OUT:0
		T2	No Hazard.	V_OUT:0
		G	No Hazard.	V_OUT:0
	Short	T1-T2	Normal operation.	V_OUT:*
		T1-G	Normal operation.	V_OUT:*
		T2-G	No Hazard.	V_OUT:0
SCR701	Open	T1	Normal operation.	V_OUT:*
		T2	Normal operation.	V_OUT:*
		G	Normal operation.	V_OUT:*
	Short	T1-T2	No Hazard.	V_OUT:0
		T1-G	No Hazard.	V_OUT:0
		T2-G	Normal operation.	V_OUT:*
SS101	Open		No Hazard.	V_OUT:0
	Short		F101 opened, No hazard.	V_OUT:0
SS102	Open	Cathode	F101 opened, No hazard.	V_OUT:0
		Alternative	Normal operation.	V_OUT:*
	Short		F101 opened, No hazard.	V_OUT:0
T301	Open	1 or 3	No Hazard.	V_OUT:0
		2 or 3	No Hazard.	V_OUT:0
		4 or 5	No Hazard.	V_OUT:0
		7 or 9	No Hazard.	V_OUT:0
	Short	1 - 3	No Hazard.	V_OUT:0

F M E A

Component	Mode		Comment	Output Voltage (V)
T301	Short	2 - 3	No Hazard.	V_OUT:0
		4 - 5	No Hazard.	V_OUT:0
		7 - 9	No Hazard.	V_OUT:0
THSW701	Open		Normal operation.	V_OUT:*
	Short		No Hazard.	V_OUT:0
TR101	Open	C	No Hazard.	V_OUT:0
		E	No Hazard.	V_OUT:0
		B	No Hazard.	V_OUT:0
	Short	C-E	Normal operation.	V_OUT:*
		E-B	No Hazard.	V_OUT:0
		B-C	Normal operation.	V_OUT:*
TR102	Open	C	No Hazard.	V_OUT:0
		E	No Hazard.	V_OUT:0
		B	No Hazard.	V_OUT:0
	Short	C-E	Normal operation.	V_OUT:*
		E-B	No Hazard.	V_OUT:0
		B-C	Normal operation.	V_OUT:*
TR103	Open	C	No Hazard.	V_OUT:0
		E	No Hazard.	V_OUT:0
		B	No Hazard.	V_OUT:0
	Short	C-E	F101 opened, No hazard.	V_OUT:0
		E-B	No Hazard.	V_OUT:0
		B-C	F101 opened, No hazard.	V_OUT:0
TR104	Open	C	F101 opened, No hazard.	V_OUT:0

F M E A

Component	Mode		Comment	Output Voltage (V)
TR104	Open	E	F101 opened, No hazard.	V_OUT:0
		B	F101 opened, No hazard.	V_OUT:0
	Short	C-E	No Hazard.	V_OUT:0
		E-B	No Hazard.	V_OUT:0
		B-C	F101 opened, No hazard.	V_OUT:0
TR105	Open	D	See 19 Page.	V_OUT:
		S	See 19 Page.	V_OUT:
		G	See 19 Page.	V_OUT:
	Short	D-S	See 19 Page.	V_OUT:
		S-G	See 19 Page.	V_OUT:
		G-D	See 19 Page.	V_OUT:
TR106	Open	D	See 19 Page.	V_OUT:
		S	See 19 Page.	V_OUT:
		G	See 19 Page.	V_OUT:
	Short	D-S	See 19 Page.	V_OUT:
		S-G	See 19 Page.	V_OUT:
		G-D	See 19 Page.	V_OUT:
TR171	Open	C	Normal operation.	V_OUT:*
		E	Normal operation.	V_OUT:*
		B	Normal operation.	V_OUT:*
	Short	C-E	Normal operation.	V_OUT:*
		E-B	Normal operation.	V_OUT:*
		B-C	Normal operation.	V_OUT:*
TR172	Open	C	Normal operation.	V_OUT:*

F M E A

Component	Mode		Comment	Output Voltage (V)
TR172	Open	E	Normal operation.	V_OUT:*
		B	Normal operation.	V_OUT:*
	Short	C-E	Normal operation.	V_OUT:*
		E-B	Normal operation.	V_OUT:*
		B-C	Normal operation.	V_OUT:*
TR301	Open	D	See 19 Page.	V_OUT:
		S	See 19 Page.	V_OUT:
		G	See 19 Page.	V_OUT:
	Short	D-S	See 19 Page.	V_OUT:
		S-G	See 20 Page.	V_OUT:
		G-D	See 20 Page.	V_OUT:
TR302	Open	C	No Hazard.	V_OUT:0
		E	No Hazard.	V_OUT:0
		B	No Hazard.	V_OUT:0
	Short	C-E	No Hazard.	V_OUT:0
		E-B	No Hazard.	V_OUT:0
		B-C	No Hazard.	V_OUT:0
TR401	Open	C	Normal operation.	V_OUT:*
		E	Normal operation.	V_OUT:*
		B	Normal operation.	V_OUT:*
	Short	C-E	Normal operation.	V_OUT:*
		E-B	Normal operation.	V_OUT:*
		B-C	Normal operation.	V_OUT:*
TR402	Open	C	Normal operation.	V_OUT:*

F M E A

Component	Mode		Comment	Output Voltage (V)
TR402	Open	E	Normal operation.	V_OUT:*
		B	Normal operation.	V_OUT:*
	Short	C-E	Normal operation.	V_OUT:*
		E-B	Normal operation.	V_OUT:*
		B-C	Normal operation.	V_OUT:*
ZD101	Open		No Hazard.	V_OUT:0
	Short		Normal operation.	V_OUT:*
ZD301	Open		Normal operation.	V_OUT:*
	Short		No Hazard.	V_OUT:0
ZD302	Open		No Hazard.	V_OUT:0
	Short		No Hazard.	V_OUT:0
ZD304	Open		Normal operation.	V_OUT:*
	Short		Normal operation.	V_OUT:*
ZD305	Open		Normal operation.	V_OUT:*
	Short		No Hazard.	V_OUT:0
ZD401	Open		Normal operation.	V_OUT:*
	Short		See 20 Page.	V_OUT:
ZD701	Open		Normal operation.	V_OUT:*
	Short		No Hazard.	V_OUT:0

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C302	Open		No Hazard.	V_OUT:0
	Short		Normal operation.	V_OUT:*
C303	Short		No Hazard.	V_OUT:0
C401	Short		No Hazard.	V_OUT:0
D171	Short		No Hazard.	V_OUT:0
D301	Short		Normal operation.	V_OUT:*
D401	Short		No Hazard.	V_OUT:0
IC402	Short	1-2	No Hazard.	V_OUT:0
TR105	Open	D	F11 opened, No hazard.	V_OUT:0
		S	F11 opened, No hazard.	V_OUT:0
		G	F11 opened, No hazard.	V_OUT:0
	Short	D-S	F11 opened, No hazard.	V_OUT:0
		S-G	F11 opened, No hazard.	V_OUT:0
		G-D	F11 opened, No hazard.	V_OUT:0
TR106	Open	D	F11 opened, No hazard.	V_OUT:0
		S	F11 opened, No hazard.	V_OUT:0
		G	F11 opened, No hazard.	V_OUT:0
	Short	D-S	F11 opened, No hazard.	V_OUT:0
		S-G	F11 opened, No hazard.	V_OUT:0
		G-D	F11 opened, No hazard.	V_OUT:0
TR301	Open	D	No Hazard.	V_OUT:0
		S	No Hazard.	V_OUT:0
		G	No Hazard.	V_OUT:0
	Short	D-S	No Hazard.	V_OUT:0

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR301	Short	S-G	No Hazard.	V_OUT:0
		G-D	No Hazard.	V_OUT:0
ZD401	Short		No Hazard.	V_OUT:0