

ABNORMAL TEST RESULT

OF MODEL LEP100F

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 : 2/21 ~ 18/21)

(Abnormal Test Result: 19/21 ~ 21/21)

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	F101 opened, No hazard.	0V
C102	Open	Normal operation.	
	Short	F101 opened, No hazard.	0V
C103	Open	See 19 Page.	
	Short	F101 opened, No hazard.	0V
C108	Open	Normal operation.	
	Short	No hazard.	0V
C109	Open	Normal operation.	
	Short	No hazard.	0V
C110	Open	Normal operation.	
	Short	Normal operation.	
C111	Open	See 19 Page.	
	Short	See 19 Page.	
C112	Open	See 19 Page.	
	Short	See 19 Page.	
C113	Open	Normal operation.	
	Short	R122 opened, No hazard.	0V
C114	Open	Normal operation.	
	Short	No hazard.	0V
C115	Open	F101 opened, No hazard.	0V
	Short	No hazard.	0V
C116	Open	Normal operation.	
	Short	No hazard.	0V

F M E A

Component	Mode	Comment	Output Voltage (V)
C117	Open	Normal operation.	
	Short	No hazard.	0V
C118	Open	Normal operation.	
	Short	Normal operation.	
C119	Open	See 19 Page.	
	Short	F101 opened, No hazard.	0V
C120	Open	Normal operation.	
	Short	Normal operation.	
C170	Open	Normal operation.	
	Short	R151, R152 opened, No hazard.	0V
C201	Open	See 19 Page.	
	Short	No hazard.	0V
C203	Open	See 19 Page.	
	Short	No hazard.	0V
C204	Open	Normal operation.	
	Short	Normal operation.	
C205	Open	No hazard.	Decreased
	Short	Normal operation.	
C206	Open	Normal operation.	
	Short	Normal operation.	
C207	Open	Normal operation.	
	Short	Normal operation.	
C208	Open	Normal operation.	
	Short	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
C209	Open	Normal operation.	
	Short	Normal operation.	
C210	Open	Normal operation.	
	Short	Normal operation.	
C231	Open	Normal operation.	
	Short	No hazard.	0V
C232	Open	Normal operation.	
	Short	Normal operation.	
C233	Open	See 19 Page.	
	Short	Normal operation.	
C234	Open	Normal operation.	
	Short	Normal operation.	
C235	Open	Normal operation.	
	Short	Normal operation.	
C501	Open	Normal operation.	
	Short	Normal operation.	
C502	Open	Normal operation.	
	Short	Normal operation.	
C505	Open	Normal operation.	
	Short	Normal operation.	
C506	Open	Normal operation.	
	Short	Normal operation.	
C507	Open	See 19 Page.	
	Short	No hazard.	0V

F M E A

Component	Mode		Comment	Output Voltage (V)
C510	Open	Except -48	No hazard.	Decreased
	Short	Except -48	No hazard.	Decreased
C518	Open	only -48	No hazard.	Decreased
	Short	only -48	No hazard.	Decreased
D102	Open		See 19 Page.	
	Short		See 19 Page.	
D103	Open		No hazard.	0V
	Short		Normal operation.	
D104	Open		Normal operation.	
	Short		Normal operation.	
D105	Open		Normal operation.	
	Short		Normal operation.	
D106	Open		See 19 Page.	
	Short		See 19 Page.	
D107	Open		See 19 Page.	
	Short		See 19 Page.	
D108	Open		Normal operation.	
	Short		R122 opened, No hazard.	0V
D109	Open		Normal operation.	
	Short		Normal operation.	
D110	Open		Normal operation.	
	Short		Normal operation.	
D201	Open		No hazard.	0V
	Short		See 19 Page.	

F M E A

Component	Mode		Comment	Output Voltage (V)
D203	Open		Normal operation.	
	Short		No hazard.	0V
D204	Open		Normal operation.	
	Short		Normal operation.	
D231	Open		Normal operation.	
	Short		Normal operation.	
D232	Open		Normal operation.	
	Short		Normal operation.	
D233	Open		Normal operation.	
	Short		Normal operation.	
IC101	Open	1	Normal operation.	
		2	Normal operation.	
		3	Normal operation.	
		4	Normal operation.	
		5	Normal operation.	
		6	Normal operation.	
		7	No hazard.	0V
		8	F101 opened, No hazard.	0V
		9	No hazard.	0V
		10	F101 opened, No hazard.	0V
		11	Normal operation.	
		12	No hazard.	0V
		13	F101 opened, No hazard.	0V
		14	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
IC101	Open	15	F101 opened, No hazard.	0V
		16	F101 opened, No hazard.	0V
	Short	1-2	No hazard.	0V
		2-3	Normal operation.	
		3-4	No hazard.	0V
		4-5	No hazard.	0V
		5-6	No hazard.	0V
		6-7	Normal operation.	
		7-8	R122 opened, No hazard.	0V
		9-10	Normal operation.	
		10-11	No hazard.	0V
		11-12	Normal operation.	
		12-13	No hazard.	0V
		13-14	No hazard.	0V
		14-15	F101 opened, No hazard.	0V
		15-16	F101 opened, No hazard.	0V
IC201	Open	1	No hazard.	0V
		2	No hazard.	0V
		3	F101 opened, No hazard.	0V
		4	Normal operation.	
		5	Normal operation.	
		6	Normal operation.	
		7	Normal operation.	
		8	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Open	9	Normal operation.	
		10	No hazard.	0V
		11	No hazard.	0V
		12	See 19 Page.	
		13	See 19 Page.	
		14	Normal operation.	
		15	Normal operation.	
		16	Normal operation.	
		17	No hazard.	0V
		18	Normal operation.	
		19	Normal operation.	
		20	No hazard.	0V
	Short	1-2	See 19 Page.	
		2-3	No hazard.	0V
		3-4	Normal operation.	
		4-5	Normal operation.	
		5-6	Normal operation.	
		6-7	Normal operation.	
		7-8	Normal operation.	
		8-9	Normal operation.	
		9-10	No hazard.	0V
		11-12	No hazard.	0V
		12-13	No hazard.	0V
		13-14	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Short	14-15	Normal operation.	
		15-16	Normal operation.	
		16-17	Normal operation.	
		17-18	Normal operation.	
		18-19	Normal operation.	
		19-20	No hazard.	0V
IC231	Open	K	Normal operation.	
		A	Normal operation.	
		R	Normal operation.	
	Short	A-K	No hazard.	0V
		K-R	No hazard.	0V
		R-A	Normal operation.	
IC501	Open	K	No hazard.	0V
		A	No hazard.	0V
		R	No hazard.	0V
	Short	A-K	No hazard.	Decreased
		K-R	No hazard.	Decreased
		R-A	No hazard.	0V
J201	Open		No hazard.	0V
J502	Open	only -24	No hazard.	0V
L101	Open		No hazard.	0V
	Short		Normal operation.	
L102	Open		No hazard.	0V
	Short		Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
L103	Open	1or6	No hazard.	0V
		4or5	See 19 Page.	
	Short	1-6	F101 opened, No hazard.	0V
		4-5	See 19 Page.	
L104	Open		F101 opened, No hazard.	0V
L507	Open		See 19 Page.	
	Short		See 19 Page.	
L508	Open		Normal operation.	
	Short		Normal operation.	
PC201	Open	A, K	No hazard.	0V
		C, E	No hazard.	0V
	Short	A-K	No hazard.	0V
		C-E	No hazard.	0V
PC202	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	No hazard.	0V
R101	Open		Normal operation.	
R102	Open		Normal operation.	
R103	Open		Normal operation.	
R104	Open		Normal operation.	
R105	Open		Normal operation.	
R106	Open		No hazard.	0V
R107	Open		No hazard.	0V

F M E A

Component	Mode	Comment	Output Voltage (V)
R108	Open	No hazard.	0V
R109	Open	No hazard.	0V
R110	Open	Normal operation.	
R111	Open	No hazard.	0V
R112	Open	Normal operation.	
R113	Open	Normal operation.	
R114	Open	Normal operation.	
R115	Open	Normal operation.	
R116	Open	No hazard.	0V
R117	Open	No hazard.	0V
R118	Open	No hazard.	0V
R119	Open	Normal operation.	
R120	Open	Normal operation.	
R121	Open	Normal operation.	
R122	Open	Normal operation.	
R123	Open	Normal operation.	
R124	Open	See 20 Page.	
R125	Open	See 20 Page.	
R126	Open	No hazard.	0V
R127	Open	No hazard.	0V
R128	Open	Normal operation.	
R129	Open	Normal operation.	
R130	Open	Normal operation.	
R131	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R132	Open	F101 opened, No hazard.	0V
R133	Open	Normal operation.	
R134	Open	Normal operation.	
R135	Open	Normal operation.	
R136	Open	Normal operation.	
R137	Open	Normal operation.	
R138	Open	No hazard.	0V
R139	Open	Normal operation.	
R140	Open	Normal operation.	
R141	Open	Normal operation.	
R142	Open	Normal operation.	
R143	Open	No hazard.	0V
R144	Open	No hazard.	0V
R146	Open	Normal operation.	
R147	Open	Normal operation.	
R170	Open	Normal operation.	
R171	Open	Normal operation.	
R201	Open	Normal operation.	
R202	Open	Normal operation.	
R203	Open	Normal operation.	
R204	Open	Normal operation.	
R205	Open	Normal operation.	
R206	Open	No hazard.	0V
R207	Open	No hazard.	0V

F M E A

Component	Mode	Comment	Output Voltage (V)
R208	Open	See 20 Page.	
R209	Open	No hazard.	0V
R210	Open	No hazard.	0V
R211	Open	Normal operation.	
R212	Open	Normal operation.	
R213	Open	See 20 Page.	
R214	Open	Normal operation.	
R215	Open	No hazard.	Decreased
R216	Open	Normal operation.	
R217	Open	No hazard.	Decreased
R219	Open	Normal operation.	
R221	Open	Normal operation.	
R231	Open	Normal operation.	
R232	Open	Normal operation.	
R233	Open	Normal operation.	
R234	Open	Normal operation.	
R235	Open	No hazard.	0V
R236	Open	No hazard.	0V
R237	Open	Normal operation.	
R238	Open	Normal operation.	
R239	Open	Normal operation.	
R240	Open	See 20 Page.	
R241	Open	See 20 Page.	
R501	Open	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
R502	Open		Normal operation.	
R503	Open		No hazard.	0V
R504	Open		Normal operation.	
R505	Open		No hazard.	Decreased
R506	Open		No hazard.	0V
R507	Open		No hazard.	Decreased
R508	Open	only -48	No hazard.	0V
R510	Open		Normal operation.	
R511	Open		Normal operation.	
R514	Open		Normal operation.	
R515	Open		Normal operation.	
R521	Open		Normal operation.	
R522	Open		Normal operation.	
R523	Open		Normal operation.	
R524	Open		Normal operation.	
R525	Open		Normal operation.	
R526	Open		Normal operation.	
R527	Open		Normal operation.	
R528	Open		Normal operation.	
R529	Open		Normal operation.	
R530	Open		Normal operation.	
R531	Open		Normal operation.	
R532	Open		Normal operation.	
SK101	Open		Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
SK101	Short		F101 opened, No hazard.	0V
SS101	Open		No hazard.	0V
	Short		F101 opened, No hazard.	0V
SS501	Open	Forward side	See 20 Page.	
		Flyback side	See 20 Page.	
	Short	Forward side	See 20 Page.	
		Flyback side	See 20 Page.	
T201	Open	3or5	No hazard.	0V
		1or2	No hazard.	0V
		7, 8or9, 10	See 20 Page.	
	Short	3-5	F101 opened, No hazard.	0V
		1-2	F101 opened, No hazard.	0V
		7, 8-9, 10	See 20 Page.	
TH101	Open		No hazard.	0V
	Short		Normal operation.	
TR101	Open	C	No hazard.	0V
		E	No hazard.	0V
		B	No hazard.	0V
	Short	C-E	Normal operation.	
		E-B	No hazard.	0V
		B-C	Normal operation.	
TR102	Open	C	No hazard.	0V
		E	No hazard.	0V
		B	No hazard.	0V

F M E A

Component	Mode		Comment	Output Voltage (V)
TR102	Short	C-E	Normal operation.	
		E-B	No hazard.	0V
		B-C	Normal operation.	
TR103	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	See 20 Page.	
		S-G	Normal operation.	
		G-D	See 20 Page.	
TR104	Open	C	See 20 Page.	
		E	See 20 Page.	
		B	See 20 Page.	
	Short	C-E	Normal operation.	
		E-B	See 20 Page.	
		B-C	Normal operation.	
TR105	Open	D	See 20 Page.	
		S	See 20 Page.	
		G	See 20 Page.	
	Short	D-S	See 20 Page.	
		S-G	See 20 Page.	
		G-D	See 20 Page.	
TR201	Open	D	See 21 Page.	
		S	See 21 Page.	
		G	See 21 Page.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR201	Short	D-S	See 21 Page.	
		S-G	See 21 Page.	
		G-D	See 21 Page.	
TR231	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No hazard.	0V
		E-B	Normal operation.	
		B-C	No hazard.	0V
TR232	Open	C	No hazard.	0V
		E	No hazard.	0V
		B	No hazard.	0V
	Short	C-E	Normal operation.	
		E-B	No hazard.	0V
		B-C	Normal operation.	
VR501	Open	brush	No hazard.	Decreased
			No hazard.	Decreased
ZD101	Open		No hazard.	0V
	Short		Normal operation.	
ZD102	Open		Normal operation.	
	Short		Normal operation.	
ZD103	Open		See 21 Page.	
	Short		Normal operation.	
ZD104	Open		Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
ZD104	Short		R122 opened, No hazard.	0V
ZD231	Open		Normal operation.	
	Short		Normal operation.	
ZD501	Open		Normal operation.	
	Short		No hazard.	0V
ZD502	Open		Normal operation.	
	Short		No hazard.	0V
ZD503	Open	Except -24	No hazard.	0V
	Short	Except -24	Normal operation.	

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C103	Open		Normal operation.	
C111	Open		No hazard.	0V
	Short		R122 opened, No hazard.	0V
C112	Open		Normal operation.	
	Short		Normal operation.	
C119	Open		F101 opened, No hazard.	0V
C201	Open		No hazard.	0V
C203	Open		No hazard.	0V
C233	Open		Normal operation.	
C507	Open		No hazard.	Decreased
D102	Open		F101 opened, No hazard.	0V
	Short		F101 opened, No hazard.	0V
D106	Open		Normal operation.	
	Short		Normal operation.	
D107	Open		Normal operation.	
	Short		Normal operation.	
D201	Short		No hazard.	0V
IC201	Open	12	No hazard.	0V
		13	No hazard.	Decreased
	Short	1-2	Normal operation.	
L103	Open	4or5	Normal operation.	
	Short	4-5	F101 opened, No hazard.	0V
L507	Open		No hazard.	0V
	Short		No hazard.	Decreased

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
R124	Open		Normal operation.	
R125	Open		Normal operation.	
R208	Open		No hazard.	Decreased
R213	Open		F101 opened, No hazard.	0V
R240	Open		No hazard.	0V
R241	Open		No hazard.	0V
SS501	Open	Forward side	No hazard.	0V
		Flyback side	F101 opened, No hazard.	0V
	Short	Forward side	No hazard.	0V
		Flyback side	No hazard.	0V
T201	Open	7, 8 or 9, 10	No hazard.	0V
	Short	7, 8-9, 10	No hazard.	0V
TR103	Short	D-S	No hazard.	0V
		G-D	No hazard.	0V
TR104	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	E-B	Normal operation.	
TR105	Open	D	No hazard.	0V
		S	No hazard.	0V
		G	F101 opened, No hazard.	0V
	Short	D-S	F101 opened, No hazard.	0V
		S-G	R122 opened, No hazard.	0V
		G-D	F101 opened, No hazard.	0V

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR201	Open	D	No hazard.	0V
		S	No hazard.	0V
		G	F101 opened, No hazard.	0V
	Short	D-S	F101 opened, No hazard.	0V
		S-G	No hazard.	0V
		G-D	F101 opened, No hazard.	0V
ZD103	Open		Normal operation.	