



ABNORMAL TEST RESULT

OF MODEL WDA60F

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 : 2/11 ~ 10/11)

(Abnormal Test Result: 11/11 ~ 11/11)

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.	AVR1:*
	Short	Fuse open.No Hazard.	AVR1:0
C105	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C106	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C109	Open	No Hazard.	AVR1:decreased
	Short	Fuse open.No Hazard.	AVR1:0
C111	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C112	Open	Normal operation.	AVR1:*
	Short	Fuse open.No Hazard.	AVR1:0
C113	Open	Normal operation.	AVR1:*
	Short	Fuse open.No Hazard.	AVR1:0
C114	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C201	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C202	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C203	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C204	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased



F M E A

Component	Mode	Comment	Output Voltage (V)
C205	Open	Normal operation.	AVR1:*
	Short	Fuse opend.No Hazard.	AVR1:0
C206	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C207	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C213	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C501	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C502	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C503	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C505 (Only -12)	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C506	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C507 (Except:-48)	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C512	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C515	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
C516	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
C601	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
C602	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
C603	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D101	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D201	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:decreased
D202	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:decreased
D203	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D204	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D205	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D207	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
IC201	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
IC201		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		8	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:decreased
		2-3	No Hazard.	AVR1:decreased
		3-4	Fuse open.No Hazard.	AVR1:0
		5-6	Fuse open.No Hazard.	AVR1:0
		6-7	Normal operation.	AVR1:*
		7-8	Normal operation.	AVR1:*
IC601	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
L101	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
L101	Short	1-2	Normal operation.	AVR1:*
		2-3	Fuse opend.No Hazard.	AVR1:0
		3-4	Normal operation.	AVR1:*
L501	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
LED501	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
PC201	Open	A, K	No Hazard.	AVR1:0
		C, E	No Hazard.	AVR1:0
	Short	A-K	No Hazard.	AVR1:0
		C-E	No Hazard.	AVR1:0
R101	Open		Normal operation.	AVR1:*
R102	Open		Normal operation.	AVR1:*
R103	Open		Normal operation.	AVR1:*
R110	Open		Normal operation.	AVR1:*
R111	Open		Normal operation.	AVR1:*
R113	Open		Normal operation.	AVR1:*
R114	Open		Normal operation.	AVR1:*
R116	Open		No Hazard.	AVR1:0
R201	Open		No Hazard.	AVR1:0
R202	Open		Normal operation.	AVR1:*
R203	Open		No Hazard.	AVR1:0
R204	Open		Normal operation.	AVR1:*
R205	Open		Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
R208	Open	No Hazard.	AVR1:0
R209	Open	No Hazard.	AVR1:0
R210	Open	Normal operation.	AVR1:*
R212	Open	No Hazard.	AVR1:0
R214	Open	Normal operation.	AVR1:*
R215	Open	No Hazard.	AVR1:decreased
R216	Open	No Hazard.	AVR1:decreased
R230	Open	Normal operation.	AVR1:*
R231	Open	Normal operation.	AVR1:*
R501	Open	Normal operation.	AVR1:*
R502 (Except:-12)	Open	Normal operation.	AVR1:*
R503	Open	Normal operation.	AVR1:*
R504 (Except:-12)	Open	Normal operation.	AVR1:*
R505	Open	Normal operation.	AVR1:*
R506	Open	Normal operation.	AVR1:*
R507	Open	Normal operation.	AVR1:*
R508	Open	Normal operation.	AVR1:*
R509	Open	Normal operation.	AVR1:*
R510	Open	Normal operation.	AVR1:*
R513	Open	Normal operation.	AVR1:*
R514 (Only -48)	Open	Normal operation.	AVR1:*
R601	Open	Normal operation.	AVR1:*
R602	Open	Normal operation.	AVR1:*
R603	Open	Normal operation.	AVR1:*
R604	Open	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
R605	Open		No Hazard.	AVR1:0
R606	Open		No Hazard.	AVR1:0
R607	Open		No Hazard.	AVR1:decreased
R608 (Except:-48)	Open		Normal operation.	AVR1:*
R610	Open		Normal operation.	AVR1:*
SS101	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
	Short	1-2	Fuse open.No Hazard.	AVR1:0
		2-3	Fuse open.No Hazard.	AVR1:0
		3-4	Fuse open.No Hazard.	AVR1:0
SS501	Open	1	Normal operation.	AVR1:*
		2	No Hazard.	AVR1:decreased
		3	Normal operation.	AVR1:*
	Short	1-2	No Hazard.	AVR1:decreased
		2-3	No Hazard.	AVR1:decreased
SS502 (Except:-48)	Open	1	Normal operation.	AVR1:*
		2	No Hazard.	AVR1:decreased
		3	Normal operation.	AVR1:*
	Short	1-2	No Hazard.	AVR1:decreased
	Short	2-3	No Hazard.	AVR1:decreased
T201	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		4	No Hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
T201		5	No Hazard.	AVR1:*
		6	No Hazard.	AVR1:0
		7 (Only-12)	No Hazard.	AVR1:0
		8	No Hazard.	AVR1:0
		9	No Hazard.	AVR1:0
		10 (Only-12)	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:decreased
		2-4	Fuse opend.No Hazard.	AVR1:0
		4-5	Normal operation.	AVR1:*
		5-6	Normal operation.	AVR1:*
		7 8-9 10	No Hazard.	AVR1:decreased
TH101	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
TR201	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	See page 11.	
		S-G	No Hazard.	AVR1:0
		G-D	See page 11.	
TR601	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
TR601	Short	G-D	No Hazard.	AVR1:0
VR601	Open	brush	No Hazard.	AVR1:decreased
			No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:increased
ZD202	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD601 (Only -48)	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
ZD602	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD603 (Only -48)	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR201	Short	D-S	Fuse opened, No hazard.	AVR1:0
		G-D	Fuse opened, No hazard.	AVR1:0