

ABNORMAL TEST RESULTOF MODEL MMB75U-1/MMB75A-1

DRAWING NO.: BEE-0017

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## TESTING EQUIPMENT:

DC Current Meter --- YEW (Yokogawa Electric Works Ltd.)  
TYPE 2051 Class 1.0

AC Voltage Meter --- YEW  
TYPE 2052 Class 1.5

Digital Multimeter --- HP (Hewlett Packard)  
3465A

Digital AC Meter --- YEW  
TYPE 2504

## ABNORMAL TEST OF MODEL MMB75U-1/MMB75A-1

### OPEN TEST RESULT

	Component	Comment	Output Voltage (V)	Input Current (A)
1	TR302 G	No output voltage of 5V.	5.0 12.0 ↓ ↓ 0 12.0	1.010 ↓ 0.680
2	TR302 S	No output voltage of 5V.	5.0 12.0 ↓ ↓ 0 12.0	1.010 ↓ 0.680
3	TR302 D	No output voltage of 5V.	5.0 12.0 ↓ ↓ 0 12.0	1.010 ↓ 0.670
4	TR402 G	No output voltage of all. ZD402, D403 and TR402 shorted. Fuse(F101) was blown out.	5.0 12.0 ↓ ↓ 0 0	1.010 ↓ 0
5	TR402 S	No ourput voltage of 12V.	5.0 12.0 ↓ ↓ 5.0 0	1.010 ↓ 0.400
6	TR402 D	No output voltage of 12V.	5.0 12.0 ↓ ↓ 5.0 0	1.010 ↓ 0.390
7	SS501	No output voltage of all.	5.0 12.0 ↓ ↓ 0 0	1.010 ↓ 0
8	SS601	No output voltage of all.	5.0 12.0 ↓ ↓ 0 0	1.010 ↓ 0

## ABNORMAL TEST OF MODEL MMB75U-1/MMB75A-1

### SHORT TEST RESULT

	Component	Comment	Output Voltage (V)	Input Current (A)
1	TR302 G - D	No output voltage of all. ZD302 opened. Fuse(F101) was blown out.	5.0 12.0 ↓ ↓ 0 0	1.010 ↓ 0
2	TR302 G - S	No output voltage of 5V.	5.0 12.0 ↓ ↓ 0 12.0	1.010 ↓ 0.680
3	TR302 D - S	No output voltage of all. ZD302 and D303 shorted. Fuse(F101) was blown out.	5.0 12.0 ↓ ↓ 0 0	1.010 ↓ 0
4	TR402 G - D	No output voltage of all. ZD402 shorted. Fuse(F101) was blown out.	5.0 12.0 ↓ ↓ 0 0	1.010 ↓ 0
5	TR402 G - S	No output voltage of 12V.	5.0 12.0 ↓ ↓ 5.0 0	1.010 ↓ 0.410
6	TR402 D - S	No output voltage of all. ZD402 and D403 shorted. Fuse(F101) was blown out.	5.0 12.0 ↓ ↓ 0 0	1.010 ↓ 0
7	SS501	No output voltage of 5V.	5.0 12.0 ↓ ↓ 0 12.0	1.010 ↓ 0.665
8	SS601	No output voltage of 12V.	5.0 12.0 ↓ ↓ 5.0 0	1.010 ↓ 0.430
9	T301 9,10 - 11, 12	Output voltage of 5V decreased, and after 20 seconds, no output voltage. ZD302 and D303 shorted. D302 opened.	5.0 12.0 ↓ ↓ 2.0 ↓ ↓ ↓ 0 12.0	1.010 ↓ ↓ ↓ 0.680
10	T301 1 - 3	No output voltage of 5V. ZD302 and D303 shorted. TR302 opened.	5.0 12.0 ↓ ↓ 0 12.0	1.010 ↓ ↓ 0.660
11	T401 9,10 - 11, 12	Output voltage of 12V decreased.	5.0 12.0 ↓ ↓ 5.0 2.0	1.010 ↓ ↓ 0.430

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### SHORT TEST RESULT

	Component	Comment	Output Voltage (V)	Input Current (A)
12	T401 1 - 3	No output voltage of all. ZD402,D403 and TR402 shorted.. Fuse(F101) was blown out.	5.0 12.0 ↓ ↓ 0 0	1.010 ↓ 0
13	C104	No output voltage of all. Fuse(F101) was blown out.	5.0 12.0 ↓ ↓ 0 0	1.010 ↓ 0
14	C502	No output voltage of 5V.	5.0 12.0 ↓ ↓ 0 12.0	1.010 ↓ 0.705
15	C602	No output voltage of 12V.	5.0 12.0 ↓ ↓ 5.0 0	1.010 ↓ 0.460
16	C506	Output voltage of 5V decreased.	5.0 12.0 ↓ ↓ 4.6 12.0	1.010 ↓ 0.980
17	C606	Output voltage of 12V decreased.	5.0 12.0 ↓ ↓ 5.0 8.1	1.010 ↓ 0.810