

Report Date: June 27, 2006

Models Under Test:

BLP55-1012G 50 ea
BLP55-3000G 25 ea
BLP55-3300G 25 ea

Test Conditions

Chamber Temperature: 50 +/- 5 °C
Input cycling, on/off minutes: 50/10
Load:
BLP55-1012G (+12V, 3.3A)
BLP55-3000G (+5V, 4A; +12V, 1.17A; -12V, 0.5A)
BLP55-3300G (+3.3V, 2.8A; +5V, 2A; +12V, 0.5A)

Test Period

MAY 17, 2006 18:00 to JUN 24, 2006 17:00

Results:

1. Checked LEDs on the load to monitor the output hourly.

Model	A. Test qty	B. No. of test hours	C. Accumulative hours (A × B)	No. of failure units
BLP55-1012G	50	912	45600	0
BLP55-3000G	25	912	22800	0
BLP55-3300G	25	912	22800	0
Total	100	912	91200	0

2. Test after completed MTBF cycle

All units passed Hi-pot Test and ATE testing.

3. Visual Inspection after completed MTBF cycle

The bodies of all components were in good shape.
No heat marks were found on any component leads.

Conclusion:

Based on the following calculations, the MTBF of the product can be calculated.

MTBF	410510	<--- MTBF (hrs.)
Acceleration Factor	6	<--- Acceleration factor due to test temperature
Total Failures	0	<--- Number of failures during the above hours.
No. of units	100	<--- Number of units in test
Confidence Interval	0.75	<--- Confidence limit (i.e. 0.8 = 80%, etc.)
Accelerated MTBF	65,787	Hrs.
Test Hours Required	91,200	Hrs.
Hrs/day	24	Hrs.
Test Days Required	38	Days

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