

Report Date: November 8, 2006

Models Under Test:

BLP30-1012G 50 ea
BLP30-3000G 25 ea
BLP30-1005G 25 ea

Test Conditions

Chamber Temperature: 45 +5/-0 °C
Input cycling, on/off minutes: 50/10
Load: BLP30-3000G (+5V, 1.4A; +12V, 1.2A; -12V, 0.3A)
BLP30-1005G (+5v, 5A)
BLP30-1012G (+12V, 2.1A)

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
BLP30-3000G	25	912	22800	0
BLP30-1005G	25	912	22800	0
BLP30-1012G	50	912	45600	0
Total	100	912	91200	0

2. Test after completed MTBF cycle

All units passed Hi-pot 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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