



# PERFORMANCE AND SCREENING SPECIFICATIONS



## COMMERCIAL GRADE

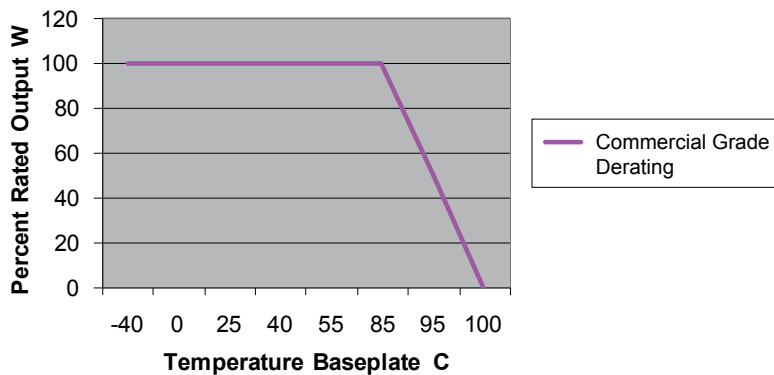
-40C TO +85C OPERATIONAL BASEPLATE WITHOUT DERATING; -40 TO +100C NON-OPERATIONAL STORAGE

### DYNAMIC CAPABILITIES

Life Test	MIL-STD-202, Method 108 Cond. D	1000 hrs. full load operational 85C
Temp Cycle	MIL-STD-202, Method 102	100 cycles, -40C to +100C, Non-Ops
Altitude	MIL-STD-810 Method 500.3/4	40kft, 1kfp to 70kft functional
Humidity Cycles	MIL-STD-810, Method 507	60-80%RH over 31-41C, 240hrs
Salt Atmosphere	MIL-STD-810, Method 509	35C, 24 hours
Vibration	MIL-STD-810, Method 514.6	10cycles/axis, 10Hz-2kHz, 0.7mm/10g
Shock	MIL-STD-810, Method 516	3 per axis, 50g/6mS

### SCREENING TESTS

Burn In	24 hours, operational rated load, 85C
Electrical Test Data	+25C



COMMERCIAL GRADE



# PERFORMANCE AND SCREENING SPECIFICATIONS



## RUGGED GRADE

-55C TO +105C OPERATIONAL BASEPLATE WITHOUT DERATING, -55C TO +120C NON-OPERATIONAL STORAGE

### DYNAMIC CAPABILITIES

Life Test	MIL-STD-202, Method 108 Cond. D	1000 hrs. full load operational 105C
Temp Cycle	MIL-STD-202, Method 102	1000 cycles, -55C to +120C, Non-Ops.
Altitude	MIL-STD-810 Method 500.3/4	40kft, 1kfp to 70kft functional
Humidity Cycles	MIL-STD-810, Method 507	60-80%RH over 31-41C, 240hrs
Humidity Endurance	MIL-STD-202, Method 103	93%RH, 40C 56days
Salt Atmosphere	MIL-STD-810, Method 509	35C, 24 hours
Vibration, Sine	MIL-STD-810, Method 514.6	10cycles/axis, 10Hz-2kHz, 0.7mm/10g
Vibration, Random	MIL-STD-810, Method 514.5	10grms, 4 hours/axis endurance
Shock	MIL-STD-810, Method 516	3 per axis, 100g/6mS
Transport Bump	MIL-STD-810, Method 516	2000 bumps, 40g/6mS

RUGGED GRADE

### SCREENING TESTS

Burn In	96 hours, operational rated load, 105C
Temp Cycle	10 cycles, -55C to +120C Non-Ops.
Electrical Test Data	-55C, +25C, +105C

