



Reliability Test Program of Resistor

July 2007 /Rev. 1

Test Item	Condition of Test	Requirements	Measurement Method
Thermal Shock	-60°C to + 150°C, 1000 cycles, 15 minutes at each extreme	± 0.5%	Refer to JIS C 5202 7.4
Short Time Overload	5 x rated power for 5 seconds	± 0.5%	Refer to JIS C 5202 5.5
Low Temperature Storage	Kept - 60°C for 24 hours	± 0.5%	Refer to JIS C 5202 7.1
High Temperature Exposure	Kept + 170°C for 1000 hours	± 0.5%	Refer to JIS C 5202 7.11
Bias Humidity	+ 85°C, 85% RH, 10% Bias, 1000 hours	± 0.5%	-
Mechanical Shock	100G's for 6 milliseconds, 5 pulses	± 0.5%	Refer to JIS C 5202 6.2
Vibration	Frequency varied 10 to 2000Hz in one minute, 3 directions, 12 hours	± 0.5%	-
Load Life	1000 hours @ rated power, + 70°C, 1.5 hours "ON", 0.5 hours "OFF"	± 1.0%	Refer to JIS C 5202 7.10
Resistance to Solder Heat	+ 260°C Solder, 10 - 12 second dwell, 25mm/second emergence	± 0.5%	Refer to JIS C 5202 6.4
Moisture Resistance	MIL-STD-202, Method 106, 0% power, 7a and 7b not required	± 0.5%	-