

MPS(SMD) METAL PLATE SHUNT RESISTOR



GENERAL SPECIFICATIONS

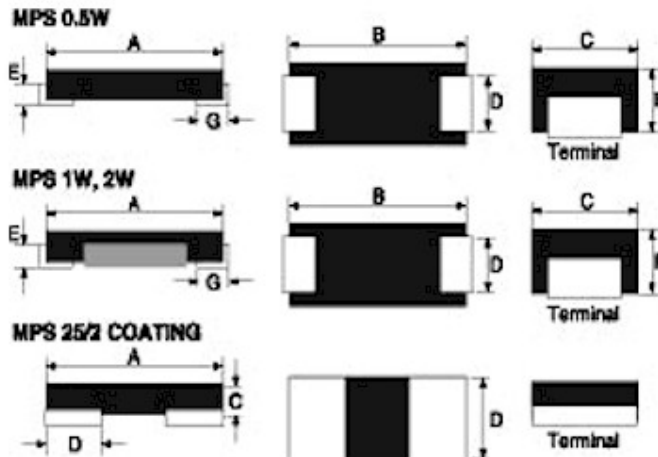
Model	Power Rating	Resistance Range (ohms)	Tolerance
MPS-2010	0.5W	0.003 to 0.05	+ -5% + -3% + -1%
MPS-2512	1W	0.003 to 0.10	
MPS-3216	2W	0.005 to 0.20	
MPS-2512 coating	1W	0.001 to 0.005	

CHARACTERISTICS

Values in [] mean change in ohmic value after test

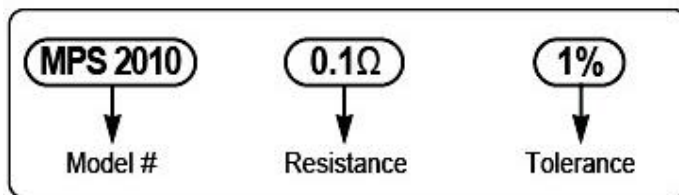
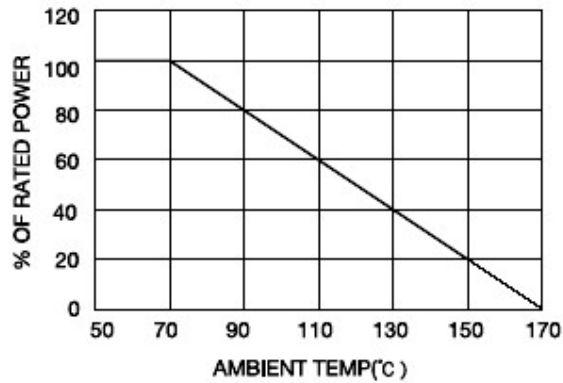
Operating Temp. Range	-55C - +150C
Temperature coefficient	+ - 90ppm/C max.
Insulation Resistance	1000Mohms min.
Dielectric Withstanding V.	[+ -0.1%] AC 500V for 1 min.
Short Time Overload	[+ - 2%] 5 X wattage rating, 5 sec.
Load Life	[+ -0.5%] Wattage rating 1.5hrs. on, 30min. off, 1000hrs.
Load Life In Humidity	[+ -3%Max] 40+ -2C, 90-95% RH., 0.1 X Watt rating, 1.5hrs. on, 30min. off, 1000hrs.
High Temp. Exposure	[+ -0.5%] 275 C for 2hrs.
Low Temp. Storage	[+ -0.2%] -55+ -2C, 24+ -4 hrs.
Thermal Shock	[+ -0.2%] -55C 30 min., 25C 5 min., 85C 30 min., 25C 5 min., 5 cycles
Solderability	90% coverage min. 230C+ -5C for 5+ -0.5sec.

DIMENSIONS



Model	A+ -0.2	B+ -0.2	C+ -0.2	D+ -0.5	E+ -0.2	F+ -0.2	G+ -0.5
MPS-2010	4.7	5.0	2.5	2.0	1.27	1.1	1.2
MPS-2512	6.0	6.4	3.2	2.0	1.4	1.3	1.0
MPS-3216	8.0	8.3	4.0	3.0	1.4	1.2	1.2
MPS-2512 coating	6.4	3.2	1.4	2.0			

DERATING CURVE AND ORDERING PROCEDURE EXAMPLE



PACKAGING

Embossed carrier tape per
EIA-481-1,2 Tape widths
MPS 2010-12.0 mm/5000 Pieces/13" Reel
MPS 2512-12.0 mm/3000 Pieces/13" Reel
MPS 3216-16.0 mm/2000 Pieces/13" Reel