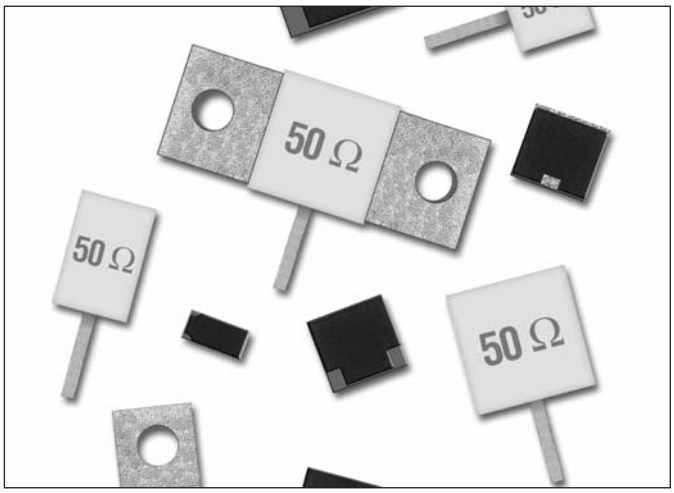
High Power Resistive Products

Terminations

AVX introduces its complete line of High Power Termination Products. All Products are designed and manufactured at our ISO 9001 Facilities.



ELECTRICAL SPECIFICATIONS

Resistance: 50 Ω standard (10 Ω - 200 Ω available)
Resistance Tolerance: ±5% standard (±2% available)
Power: 2 Watts through 225 Watts
Operating Temperature Range: -55ºC to +150ºC
Temperature Coefficient: < 150 ppm/ºC
Low VSWR

MECHANICAL SPECIFICATIONS

Package: Surface Mount Chips, Chips, Leaded Chips, Flange Mount
Substrate Material: Aluminum Nitride
Process: Thin Film
Resistive Material: Tantalum
Terminals: Silver
Cover: Alumina
Mounting Flange: 100% Cu, Ni or Ag Plated
Mechanical Tolerance: ±0.13 (0.005)
RoHS Compliant
SMT and Chip products, supplied on Tape and Reel

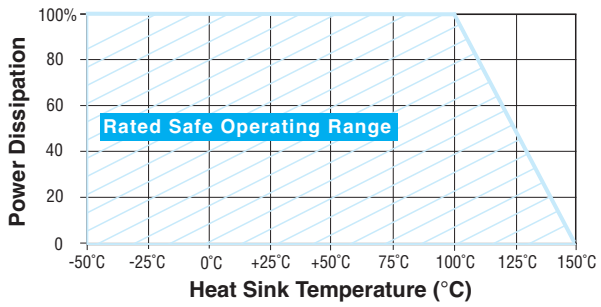
RoHS COMPLIANT

FLANGE MOUNT TERMINATIONS HOW TO ORDER

RPA	0300	T	0050	J	N	BK
AVX Series	**Case Size**	**Type** T = Termination	**Value** 0050 = 50Ω	**Tolerance** J = ±5% (G = ±2% available Consult Factory)	**Terminal** N = Silver	**Packaging** BK = Plastic Carrier

Contact factory for custom ratings and sizes.

POWER DERATING



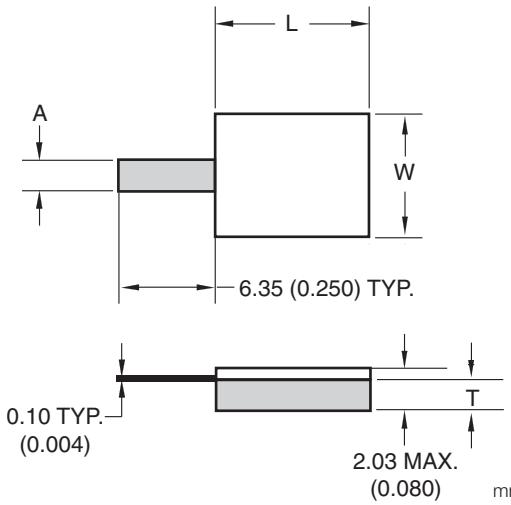
High Power Resistive Products

Terminations

LEADED CHIP TERMINATIONS – RPB SERIES

GENERAL SPECIFICATIONS

Nominal Impedance: 50 Ω
Resistive Tolerance: ±5% standard, ±2% available
Operating Temp Range: -55ºC to +150ºC
Temperature Coefficient: ±150 ppm/ºC
Resistive Elements: Tantalum, Thin Film Processed
Substrate Material: Aluminum Nitride
Terminals: Silver over Nickel
RoHS Compliant



mm (inches)

mm (inches)

AVX Part Number	W ±0.25 (0.010)	L ±0.25 (0.010)	T ±0.13 (0.005)	A ±0.13 (0.005)	Frequency (GHz)	Capacitance (pF)	Power Max** (Watts)
RPB1020T0050JTTR	5.08 (0.200)	2.54 (0.100)	0.64 (0.025)	1.02 (0.040)	DC to 18.0	1.25:1	20W
RPB2010T0050JTTR	2.54 (0.100)	5.08 (0.200)	1.02 (0.040)	1.02 (0.040)	DC to 4.0	1.20:1	30W
RPB2525T0050JTTR	6.22 (0.245)	6.22 (0.245)	1.02 (0.040)	1.02 (0.040)	DC to 4.0	1.15:1	60W
RPB2335T0050JTTR	8.89 (0.350)	5.84 (0.230)	1.02 (0.040)	1.02 (0.040)	DC to 4.0	1.15:1	100W
RPB3725T0050JTTR	6.35 (0.250)	9.53 (0.375)	1.02 (0.040)	1.02 (0.040)	DC to 4.0	1.20:1	125W
RPB3737T0050JTTR	9.40 (0.370)	9.40 (0.370)	1.02 (0.040)	1.02 (0.040)	DC to 2.0	1.25:1	200W

** Test Condition: Chip soldered to a via patch on a 30-mil-thick Rogers RO4350 board; Land surfaces at 100°C; maximum rated power applied.

HOW TO ORDER

RPB	2010	T	0050	J	T	BK
AVX Series	**Case Size** See chart above	**Type** T = Termination	**Value** 0050 = 50Ω	**Tolerance** J = ±5% G = ±2%	**Terminal** T = Silver over Nickel	**Packaging** BK = Plastic Carrier

RoHS COMPLIANT

Contact factory for custom ratings and sizes.

POWER DERATING