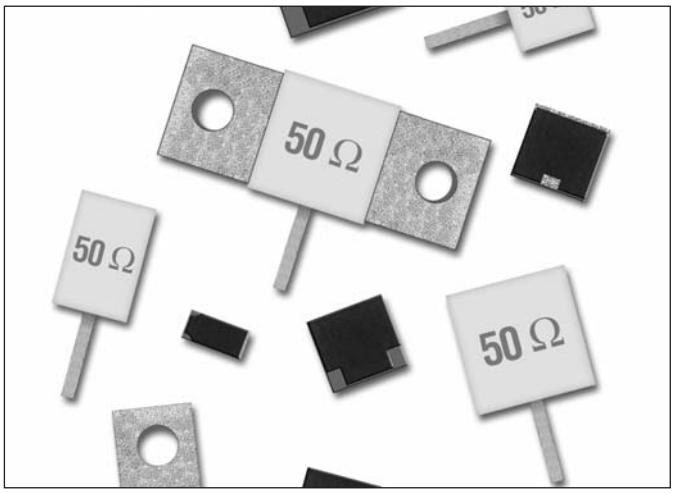
High Power Resistive Products

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

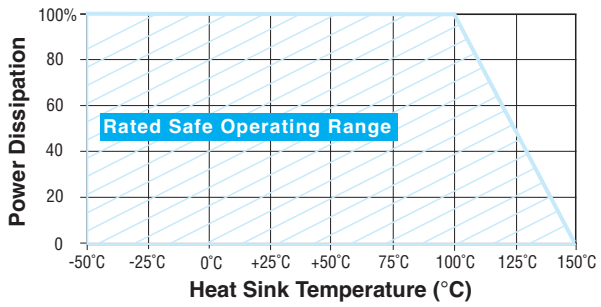
RoHS COMPLIANT

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

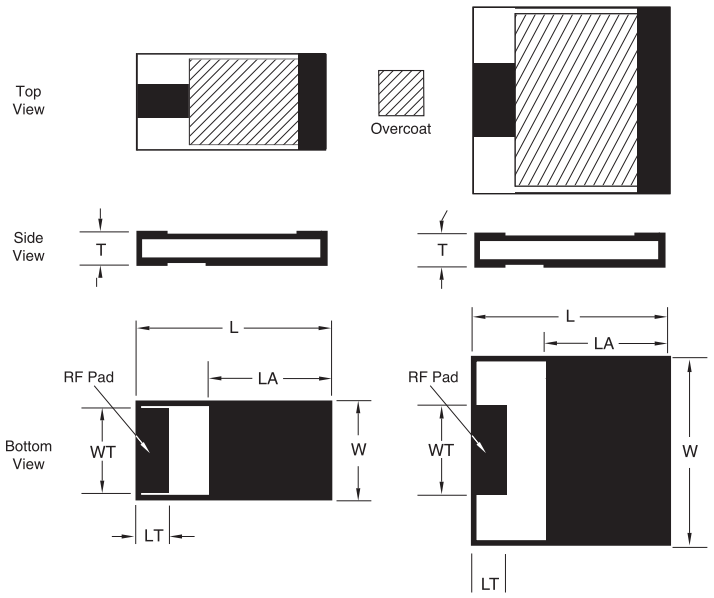
Terminations

SURFACE MOUNT CHIP TERMINATIONS – RP9 SERIES

GENERAL SPECIFICATIONS

Nominal Impedance: 50 Ω
Resistive Tolerance: ±2% standard
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
Tape and Reel Specifications: See Page 38

RP92010T0050GTTR **RP92525T0050GTTR**



mm (inches)

AVX Part Number	W ±0.25 (0.010)	L ±0.25 (0.010)	T ±0.13 (0.005)	LT ±0.13 (0.005)	WT ±0.13 (0.005)	LA ±0.13 (0.005)	Frequency Range (GHz)	VSWR (Typ.)	Power Max** (Watts)
RP92010T0050GTTR	2.54 (0.100)	5.08 (0.200)	1.02 (0.040)	1.02 (0.040)	2.29 (0.090)	2.92 (0.115)	DC - 3.0	1.20:1	10W
RP92525T0050GTTR	6.22 (0.245)	6.22 (0.245)	1.02 (0.040)	0.76 (0.030)	3.18 (0.125)	4.32 (0.170)	DC - 4.0	1.25:1	20W

** 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.

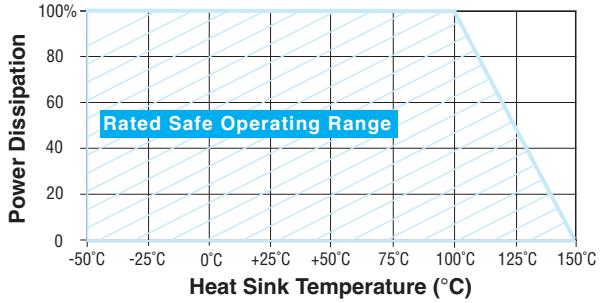
HOW TO ORDER

RP9	2010	T	0050	G	T	TR
AVX Series	**Case Size** See chart above	**Type** T = Termination	**Value** 0050 = 50Ω	**Tolerance** J = ±5% G = ±2%	**Terminal** T = Silver over Nickel	**Packaging** TR = Tape & Reel

RoHS COMPLIANT

Contact factory for custom ratings and sizes.

POWER DERATING



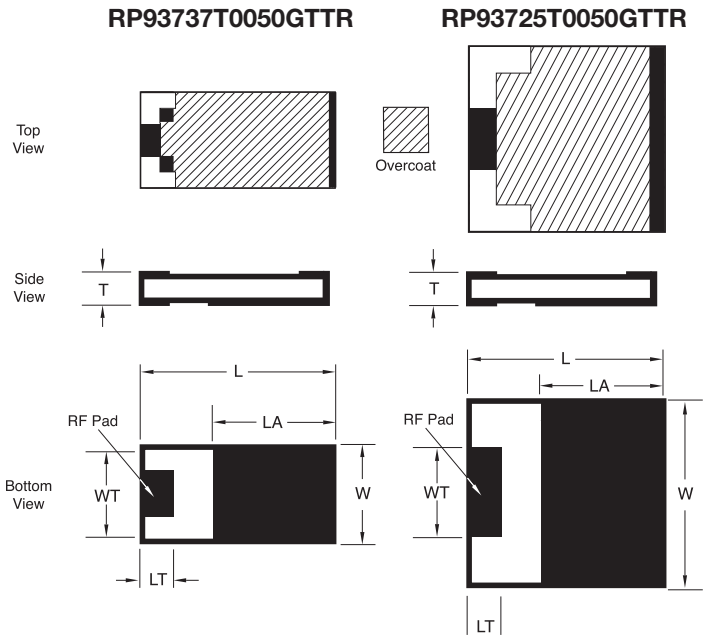
High Power Resistive Products

Terminations

SURFACE MOUNT CHIP TERMINATIONS – RP9 SERIES

GENERAL SPECIFICATIONS

Nominal Impedance: 50 Ω
Resistive Tolerance: ±2% standard
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
Tape and Reel Specifications: See Page 38



mm (inches)

AVX Part Number	W ±0.25 (0.010)	L ±0.25 (0.010)	T ±0.13 (0.005)	LT ±0.13 (0.005)	WT ±0.13 (0.005)	LA ±0.13 (0.005)	Frequency Range (GHz)	VSWR (Typ.)	Power Max** (Watts)
RP93725T0050GTTR	6.35 (0.250)	9.53 (0.375)	1.02 (0.040)	1.27 (0.050)	3.18 (0.125)	6.60 (0.260)	DC - 2.2	1.20:1	30W
RP93737T0050GTTR	9.40 (0.370)	9.40 (0.370)	1.02 (0.040)	1.27 (0.050)	3.18 (0.125)	6.99 (0.275)	DC - 3.0	1.25:1	40W

** 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

RP9	2010	T	0050	G	T	TR
AVX Series	**Case Size** See chart above	**Type** T = Termination	**Value** 0050 = 50Ω	**Tolerance** J = ±5% G = ±2%	**Terminal** T = Silver over Nickel	**Packaging** TR = Tape & Reel

RoHS COMPLIANT

Contact factory for custom ratings and sizes.

POWER DERATING