

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. All products are tested in accordance with MIL-PRF-55342.

ELECTRICAL SPECIFICATIONS

Resistance: 50 Ω standard (10 Ω - 200 Ω available)

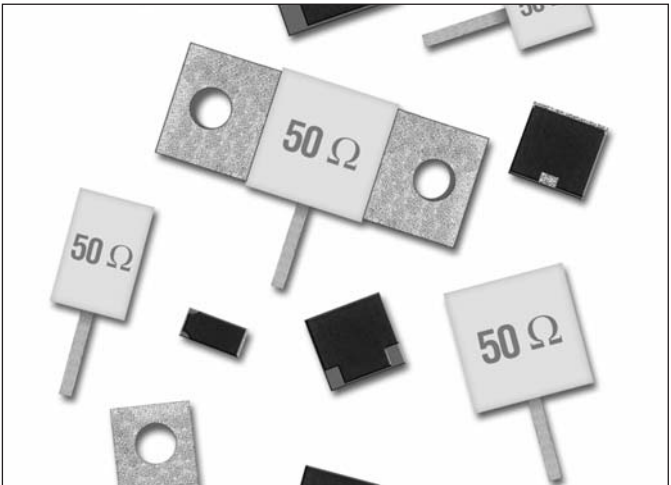
Resistance Tolerance: $\pm 5\%$ standard ($\pm 2\%$ available)

Power: 2 Watts through 225 Watts

Operating Temperature Range: -55°C to $+150^{\circ}\text{C}$

Temperature Coefficient: $< 150 \text{ ppm}/^{\circ}\text{C}$

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



FLANGE MOUNT TERMINATIONS HOW TO ORDER

RPA



AVX Series

0300



Case Size

T



Type
T = Termination

0050



Value
0050 = 50 Ω

J



Tolerance
J = $\pm 5\%$
(G = $\pm 2\%$ available
Consult Factory)

N



Terminal
N = Silver

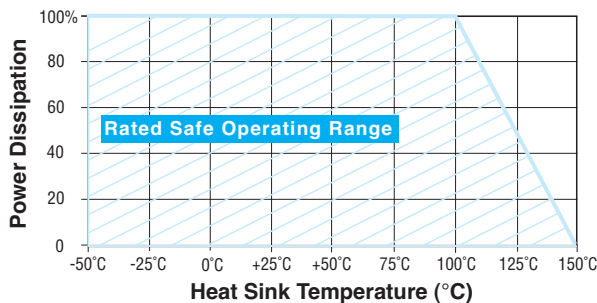
BK



Packaging
BK = Plastic Carrier

Contact factory for custom ratings and sizes.

POWER DERATING



Terminations

FLANGE MOUNT TERMINATION – P/N: RPA0302T0050JNBK

ELECTRICAL SPECIFICATIONS

Nominal Impedance: $50 \Omega \pm 5\%$ standard
(contact factory for custom values)

Power: 20 Watts

Frequency: DC to 18 GHz

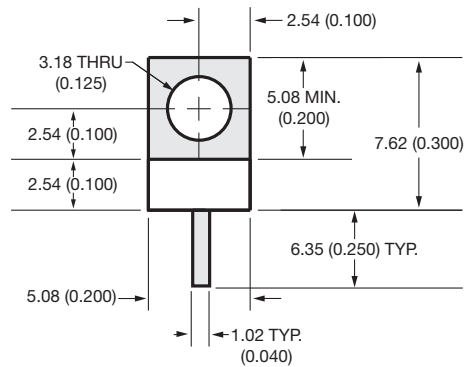
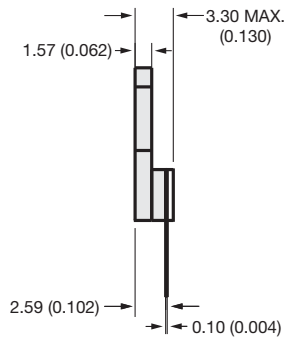
VSWR: 1.15:1 @ 15 GHz, 1.25:1 @ 18 GHz

Operating Temperature Range: -55°C to +150°C

Temperature Coefficient: <150 ppm/°C

Tabs: Silver

RoHS Compliant



mm (inches)

FLANGE MOUNT TERMINATION – P/N: RPA0500T0050JNBK

ELECTRICAL SPECIFICATIONS

Nominal Impedance: $50 \Omega \pm 5\%$ standard
(contact factory for custom values)

Power: 25 Watts

Frequency: DC to 6.0 GHz

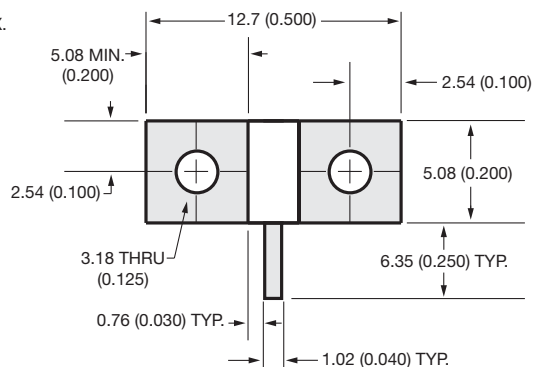
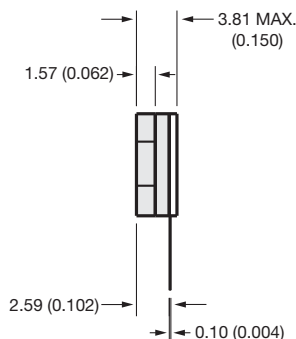
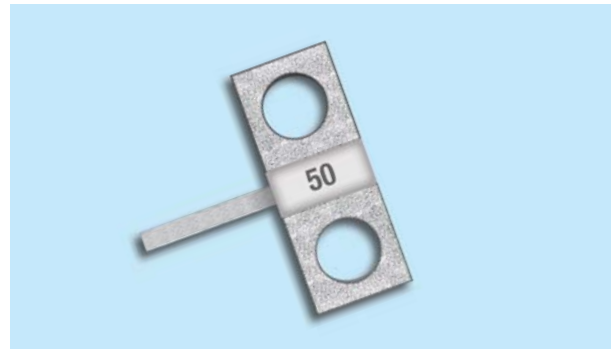
VSWR: 1.15:1 @ 4 GHz, 1.25:1 @ 6 GHz

Operating Temperature Range: -55°C to +150°C

Temperature Coefficient: <150 ppm/°C

Tabs: Silver

RoHS Compliant



mm (inches)

For Part Number Code, see page 14.

Terminations

FLANGE MOUNT TERMINATION – P/N: RPA0515T0050JNBK

ELECTRICAL SPECIFICATIONS

Nominal Impedance: 50 Ω $\pm$ 5% standard
(contact factory for custom values)

Power: 60 Watts

Frequency: DC to 6.0 GHz

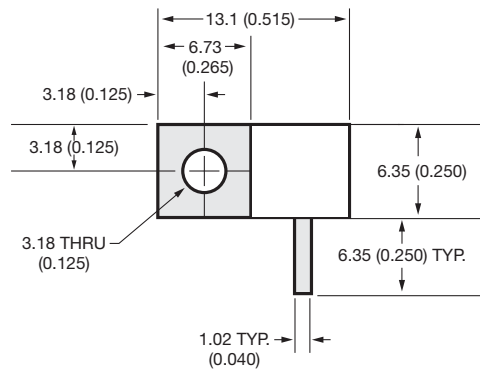
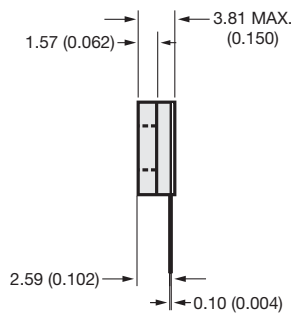
VSWR: 1.20:1 @ 4 GHz, 1.30:1 @ 6 GHz

Operating Temperature Range: -55°C to +150°C

Temperature Coefficient: <150 ppm/°C

Tabs: Silver

LRoHS Compliant



mm (inches)

FLANGE MOUNT TERMINATION – P/N: RPA0516T0050JNBK

ELECTRICAL SPECIFICATIONS

Nominal Impedance: 50 Ω $\pm$ 5% standard
(contact factory for custom values)

Power: 60 Watts

Frequency: DC to 6 GHz

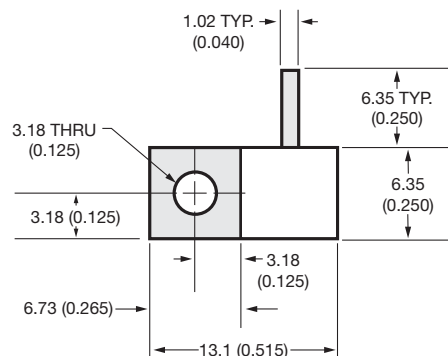
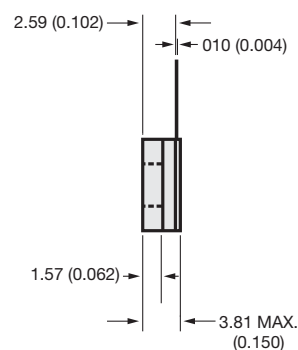
VSWR: 1.20:1 @ 4 GHz, 1.30:1 @ 6 GHz

Operating Temperature Range: -55°C to +150°C

Temperature Coefficient: <150 ppm/°C

Tabs: Silver

RoHS Compliant



mm (inches)

For Part Number Code, see page 14.

Terminations

FLANGE MOUNT TERMINATION – P/N: RPA0517T0050JNBK

ELECTRICAL SPECIFICATIONS

Nominal Impedance: $50 \Omega \pm 5\%$ standard
(contact factory for custom values)

Power: 60 Watts

Frequency: DC to 6 GHz

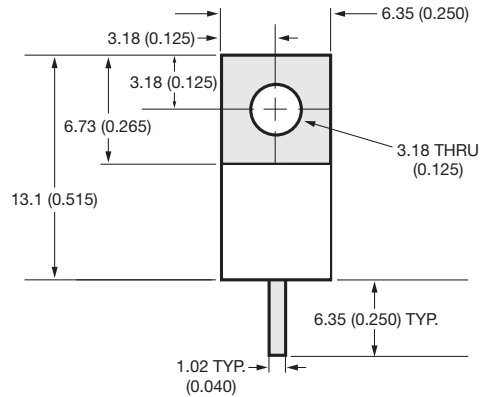
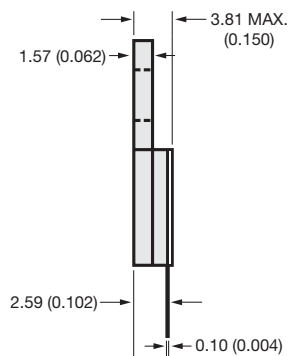
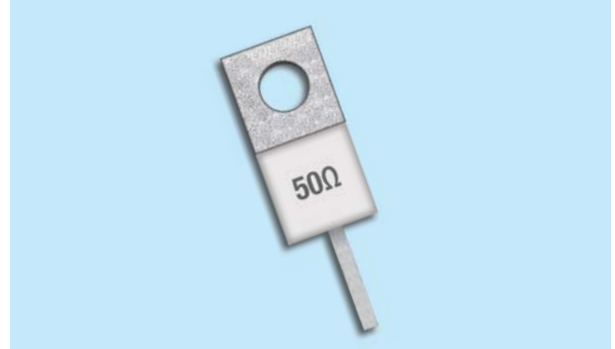
VSWR: 1.20:1 @ 4 GHz, 1.30:1 @ 6 GHz

Operating Temperature Range: -55°C to +150°C

Temperature Coefficient: <150 ppm/°C

Tabs: Silver

RoHS Compliant



mm (inches)

FLANGE MOUNT TERMINATION – P/N: RPA0560T0050JNBK

ELECTRICAL SPECIFICATIONS

Nominal Impedance: $50 \Omega \pm 5\%$ standard
(contact factory for custom values)

Power: 75 Watts

Frequency: DC to 4 GHz

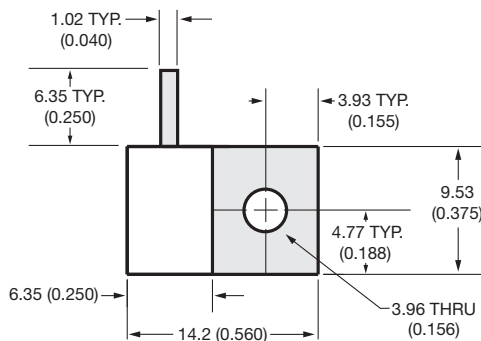
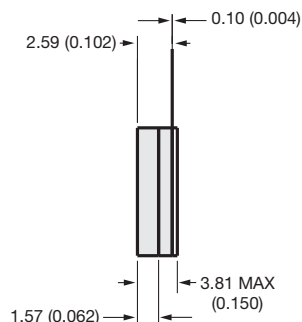
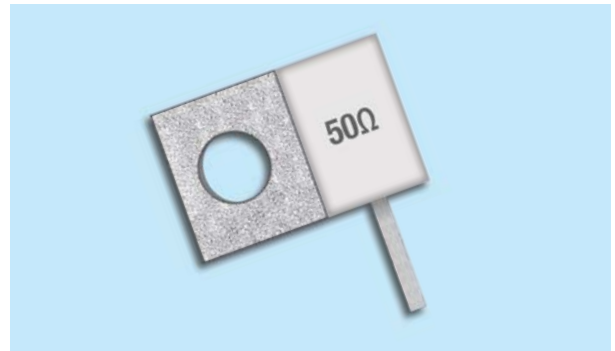
VSWR: 1.25:1

Typical Operating Temperature Range: -55°C to +150°C

Temperature Coefficient: <150 ppm/°C

Tabs: Silver

RoHS Compliant



mm (inches)

For Part Number Code, see page 14.

Terminations

FLANGE MOUNT TERMINATION – P/N: RPA0561T0050JNBK

ELECTRICAL SPECIFICATIONS

Nominal Impedance: $50\ \Omega \pm 5\%$ standard
(contact factory for custom values)

Power: 75 Watts

Frequency: DC to 4.0 GHz

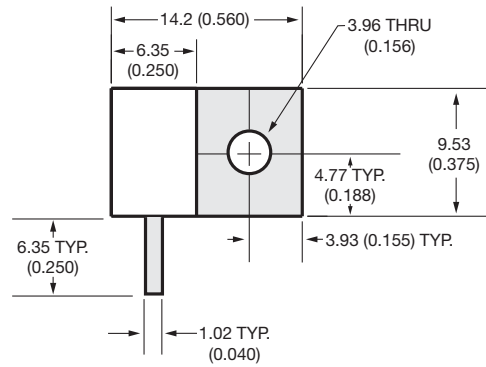
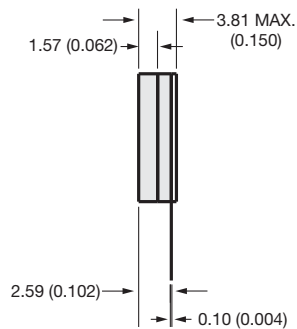
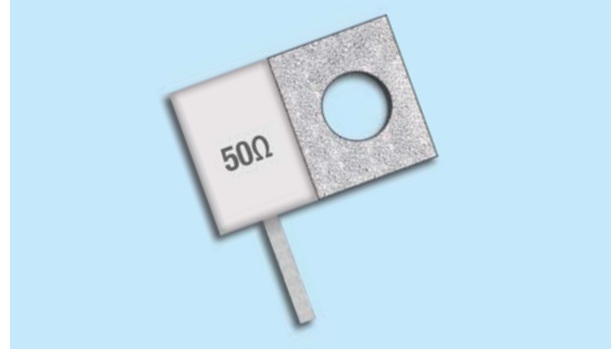
VSWR: 1.25:1

Typical Operating Temperature Range: -55°C to $+150^{\circ}\text{C}$

Temperature Coefficient: $<150\ \text{ppm}/^{\circ}\text{C}$

Tabs: Silver

RoHS Compliant



mm (inches)

FLANGE MOUNT TERMINATION – P/N: RPA0800T0050JNBK

ELECTRICAL SPECIFICATIONS

Nominal Impedance: $50\ \Omega \pm 5\%$ standard
(contact factory for custom values)

Power: 50 Watts

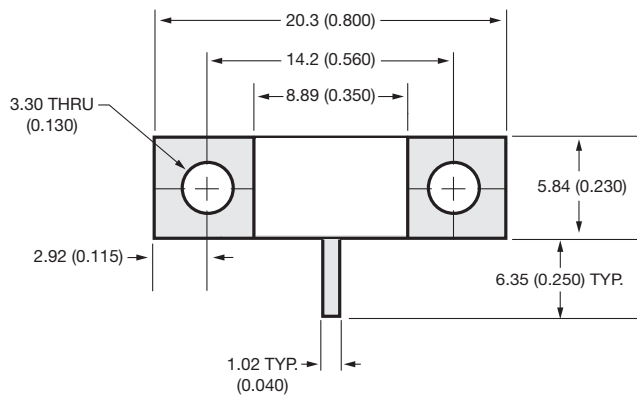
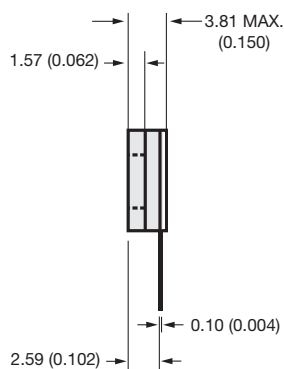
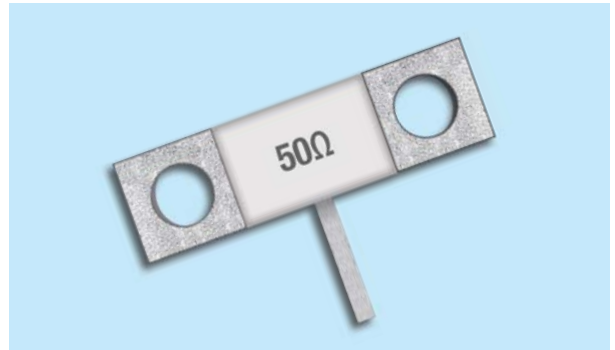
Frequency: DC to 6 GHz

VSWR: 1.10:1 @ 4.5 GHz, 1.18:1 @ 6.0GHz

Operating Temperature Range: -55°C to $+150^{\circ}\text{C}$

Tabs: Silver

RoHS Compliant



mm (inches)

For Part Number Code, see page 14.

Terminations

FLANGE MOUNT TERMINATION – P/N: RPA0870T0050JNBK

ELECTRICAL SPECIFICATIONS

Nominal Impedance: 50 Ω $\pm$ 5% standard
(contact factory for custom values)

Power: 100 Watts

Frequency: DC to 4.0 GHz

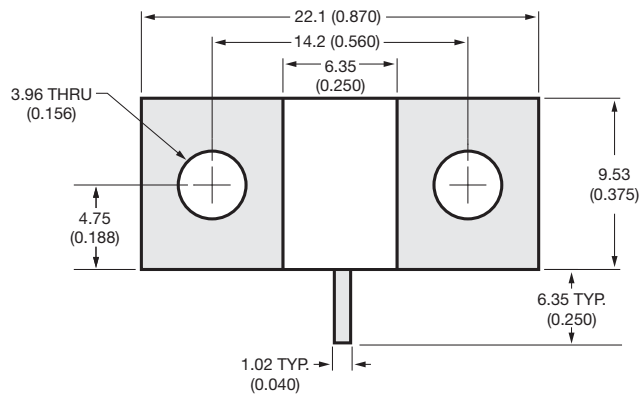
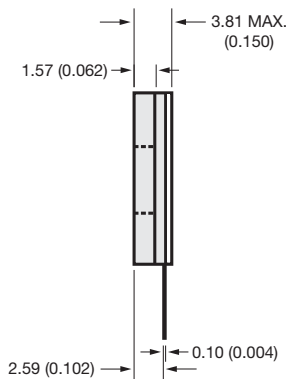
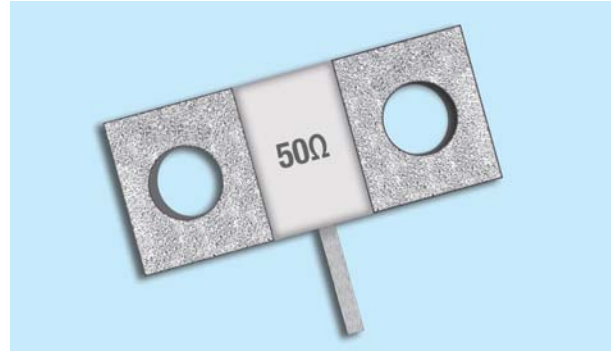
VSWR: 1.20:1

Typical Operating Temperature Range: -55°C to +150°C

Temperature Coefficient: <150 ppm/°C

Tabs: Silver

RoHS Compliant



mm (inches)

FLANGE MOUNT TERMINATION – P/N: RPA0300T0050JNBK

ELECTRICAL SPECIFICATIONS

Nominal Impedance: 50 Ω $\pm$ 5% standard
(contact factory for custom values)

Power: 20 Watts

Frequency: DC to 6 GHz

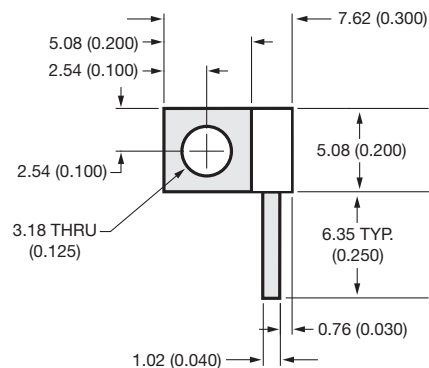
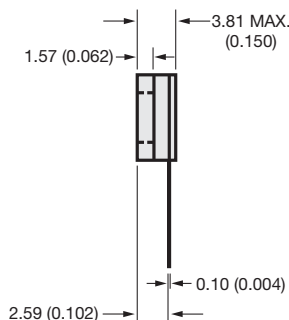
VSWR: 1.15:1 @ 4 GHz, 1.25:1 @ 6 GHz,

Operating Temperature Range: -55°C to +150°C

Temperature Coefficient: <150 ppm/°C

Tabs: Silver

RoHS Compliant



mm (inches)

For Part Number Code, see page 14.

Terminations

FLANGE MOUNT TERMINATION – P/N: RPA0301T0050JNBK

ELECTRICAL SPECIFICATIONS

Nominal Impedance: $50 \Omega \pm 5\%$ standard
(contact factory for custom values)

Power: 20 Watts

Frequency: DC to 6 GHz

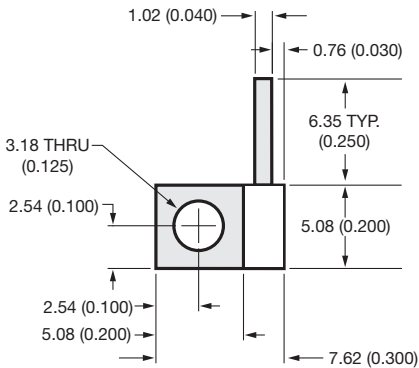
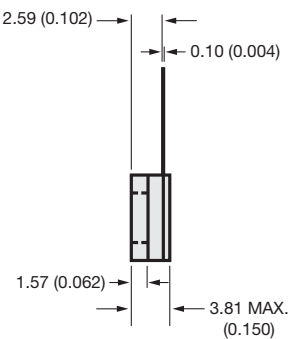
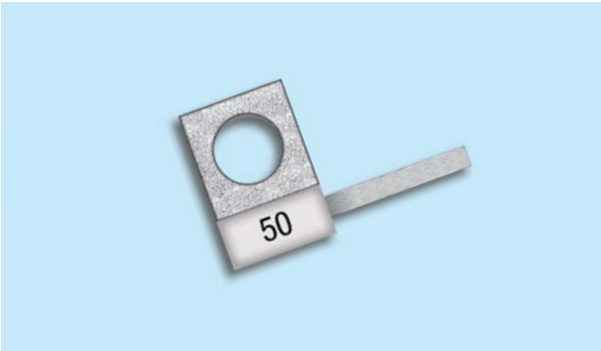
VSWR: 1.15:1 @ 4 GHz, 1.25:1 @ 6 GHz,

Operating Temperature Range: -55°C to +150°C

Temperature Coefficient: <150 ppm/°C

Tabs: Silver

RoHS Compliant



mm (inches)