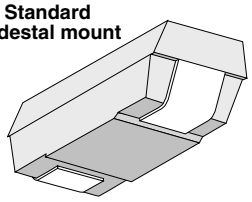
2010 SMD

0.6 Watt Wirewound Surface Mount Power



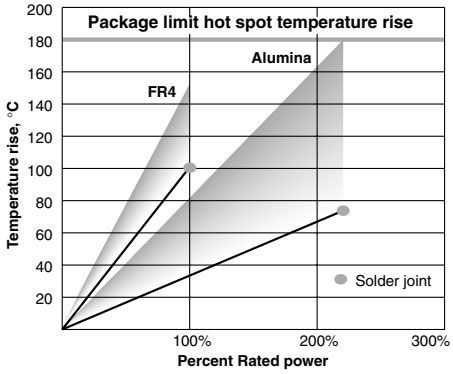
2010 Package



Series	Wattage	Ohms	Dimensions (in. / *mm*) Length	Height	Width	Voltage
RW0S6BB	0.6	0.01-100	0.202 / *5.14*	0.135 / *3.42*	0.1 / *2.54*	50

PERFORMANCE DATA

Temp. cycle	(-55°C to 125°C, 1000 cycles)	±0.5%+.05Ω
Load Life	(1000 hours at 25°C)	±3.0%+.05Ω
Immersion	(260°C for 10 sec.)	±0.1%+.05Ω
Leaching	(260°C Solder immersion, 60 sec.)	No visible leaching
Thermal Shock	(Units at -55°C, then rated power applied)	No mechanical damage
Flammability	UL Material rating	UL94V0



The temperature rise graph data was obtained by a selection of test substrate size and trace width for each resistor size to limit operating temperatures to safe values.

The operating temperature safe rises are either 100°C substrate temperature rise or 180°C package hot spot temperature rise at 25°C ambient.

FR4: 0.062 in. thick; 0.062 in. traces

Alumina: 0.040 in. thick; 0.010 in. traces

ORDERING INFORMATION

Component type: R = resistor
Type of Base: S = standard
Package: B = 12mm
Package Modifier: A, B sequential
Tolerance: F = 1%
T = Tape and Reel (optional)

R W 0 S 6 B B 1 K 0 0 F E T

E = RoHS compliant

Component Modifier: W = wirewound
Wattage: 0S6 = 0.6W
Resistance Value: R = Decimal; K = 1,000; M = 1,000,000
Examples: R249 = 0.249 ohms; 24R9 = 24.9 ohms; 2K49 = 2,490 ohms

STANDARD PART NUMBERS FOR 2010 SMD

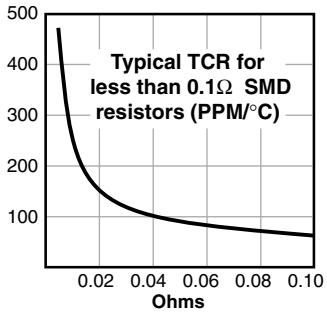
Ohms	Part Number	Ohms	Part Number
0.010	RW0S6BBR010FE	1.00	RW0S6BB1R00FE
0.015	RW0S6BBR015FE	2.00	RW0S6BB2R00FE
0.020	RW0S6BBR020FE	5.00	RW0S6BB5R00FE
0.030	RW0S6BBR030FE	7.50	RW0S6BB7R50FE
0.050	RW0S6BBR050FE	10.00	RW0S6BB10R0FE
0.075	RW0S6BBR075FE	15.00	RW0S6BB15R0FE
0.100	RW0S6BBR100FE	24.00	RW0S6BB24R0FE
0.240	RW0S6BBR240FE	36.00	RW0S6BB36R0FE
0.470	RW0S6BBR470FE	47.00	RW0S6BB47R0FE
0.750	RW0S6BBR750FE	100.00	RW0S6BB100RFE

Check product availability at **www.ohmite.com**

FEATURES

- 1% Tolerance standard
- Smallest wirewound on the market
- Available in low ohmic values

TCR



SPECIFICATIONS

25°C ambient

Power: 0.6 watts

Voltage (max.): 50V

Tolerance: 1%

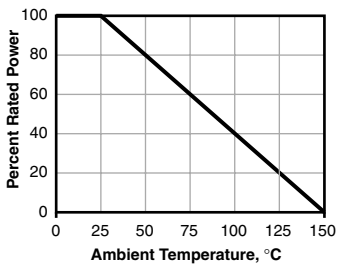
Resistance range: 0.010Ω–100Ω

Temperature Coefficient:
0.1Ω–1Ω: ±90
1Ω–10Ω: ±50
10Ω+: ±20

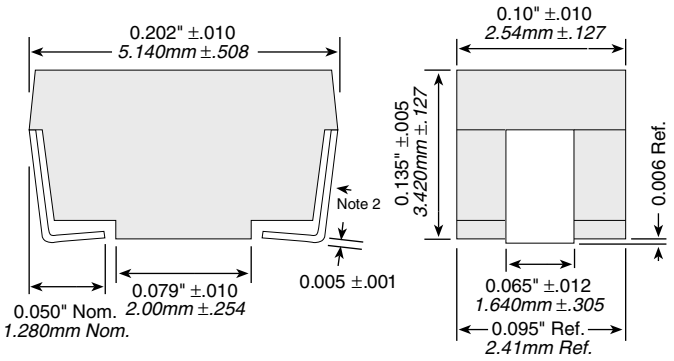
Dielectric Withstanding Voltage: 1000V

Tape Size: 12mm, 13" reel, 2500 pcs. per reel.

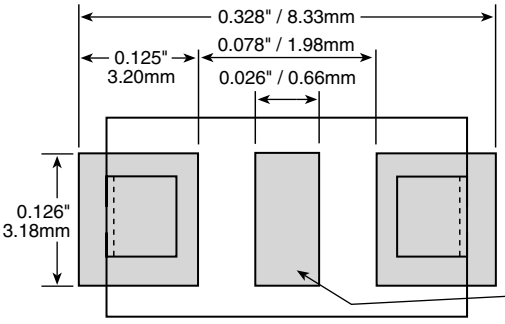
DERATING



DIMENSIONS



LAND PATTERN

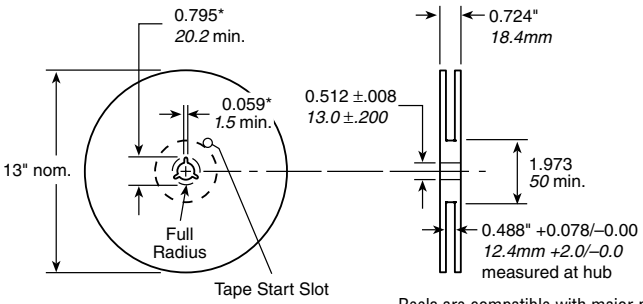


Note 2: Test point is .020 above PCB.

Note 3: Tape and reel dimensions per EIA 481 A except "EA" size which is 12 mm component pitch versus 16mm pitch.

Land pattern dimensions are for reference only

TAPE AND REEL



Reels are compatible with major pick-and-place machines and made in accordance with EIA 481 A.