

## Features

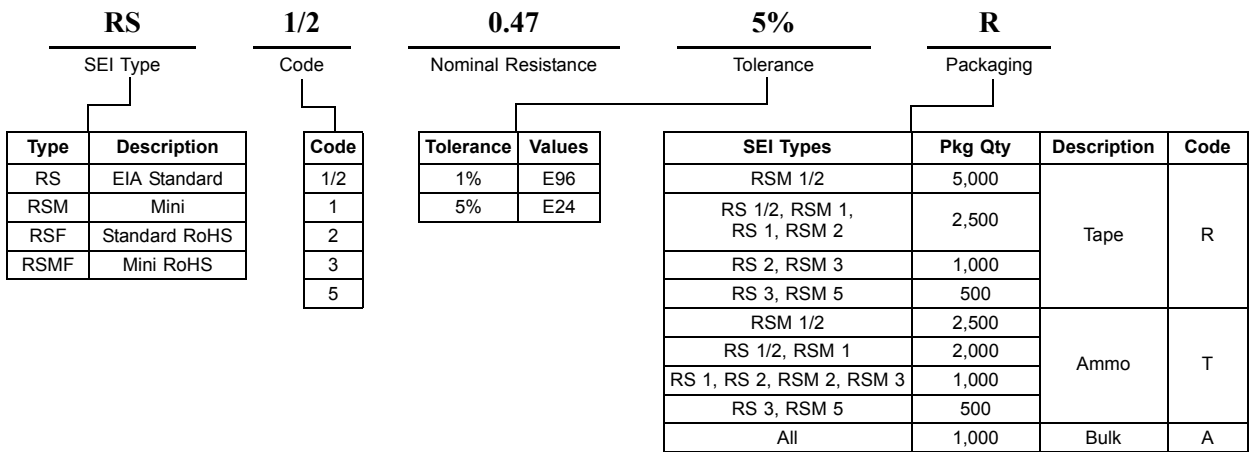
- Lower-cost alternative to Carbon Comps and Wirewounds
- Flameproof – meets overload test of UL #1412
- Meets solvent test of Mil Standard 202, Method 215
- Cut and formed product is available on select sizes; contact factory for details
- Coating meets UL 94V-0
- Higher or lower resistance values may be possible; contact factory
- RoHS compliant / lead-free available (RSF, RSMF)

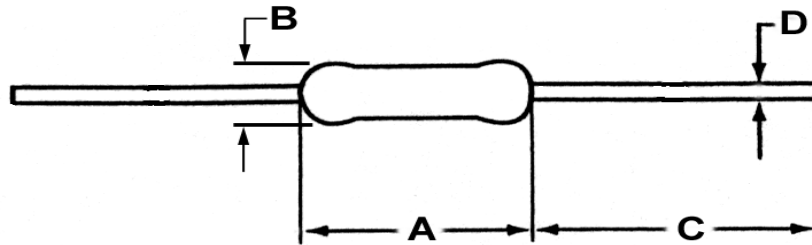


Electrical Specifications							
Type / Code	Power Rating (Watts) @ 70°C	Maximum Working Voltage*	Maximum Pulse Voltage	Dielectric Withstanding Voltage	Resistance Temperature Coefficient	Ohmic Range and Tolerance	
						1%	5%
RS 1/2	0.5W	250V	400V	600V	±200 ppm/°C	0.1Ω – 150KΩ	0.1Ω – 1MΩ
RS 1	1W	350V	600V	600V	±200 ppm/°C	0.1Ω – 100KΩ	0.1Ω – 1MΩ
RS 2	2W	350V	600V	600V	±200 ppm/°C	0.1Ω – 120KΩ	0.1Ω – 1MΩ
RS 3	3W	500V	800V	800V	±300 ppm/°C	10Ω – 1MΩ	1Ω – 1MΩ
RS 5	5W	750V	1,000V	800V	±300 ppm/°C	1Ω – 510KΩ	1Ω – 510KΩ
RSM 1/2	0.5W	250V	400V	350V	±200 ppm/°C	0.1Ω – 47KΩ	0.1Ω – 510KΩ
RSM 1	1W	350V	600V	500V	±200 ppm/°C	0.1Ω – 75KΩ	0.1Ω – 510KΩ
RSM 2	2W	350V	600V	500V	±200 ppm/°C	0.1Ω – 100KΩ	0.1Ω – 510KΩ
RSM 3	3W	500V	800V	600V	±200 ppm/°C	0.1Ω – 118KΩ	0.1Ω – 510KΩ
RSM 5	5W	750V	1,000V	1,000V	±300 ppm/°C	1Ω – 510KΩ	1Ω – 510KΩ

\* Lesser of  $\sqrt{PR}$  or maximum working voltage.

## How to Order





Mechanical Specifications					
Type / Code	A Body Length	B Body Diameter	C Lead Length (Bulk)	D Lead Diameter	Units
RS 1/2	0.35 ± 0.04	0.12 ± 0.02	1.10 ± 0.08	0.028 ± 0.002	inches mm
	9.0 ± 1.0	3.0 ± 0.5	28.0 ± 2.0	0.70 ± 0.05	
RS 1	0.43 ± 0.04	0.16 ± 0.02	1.10 ± 0.08	0.031 ± 0.002	inches mm
	11.0 ± 1.0	4.0 ± 0.5	28.0 ± 2.0	0.80 ± 0.05	
RS 2	0.59 ± 0.04	0.22 ± 0.04	1.38 ± 0.12	0.031 ± 0.002	inches mm
	15.0 ± 1.0	5.5 ± 1.0	35.0 ± 3.0	0.80 ± 0.05	
RS 3	0.71 ± 0.08	0.26 ± 0.06	1.38 ± 0.12	0.031 ± 0.002	inches mm
	17.5 ± 2.0	6.5 ± 1.5	35.0 ± 3.0	0.80 ± 0.05	
RS 5	0.96 ± 0.08	0.34 ± 0.06	1.38 ± 0.12	0.031 ± 0.002	inches mm
	24.5 ± 2.0	8.5 ± 1.5	35.0 ± 3.0	0.80 ± 0.05	
RSM 1/2	0.24 ± 0.02	0.09 ± 0.01	1.10 ± 0.08	0.024 ± 0.002	inches mm
	6.0 ± 0.5	2.3 ± 0.2	28.0 ± 2.0	0.60 ± 0.05	
RSM 1	0.35 ± 0.04	0.12 ± 0.02	1.10 ± 0.08	0.028 ± 0.002	inches mm
	9.0 ± 1.0	3.0 ± 0.5	28.0 ± 2.0	0.70 ± 0.05	
RSM 2	0.43 ± 0.04	0.16 ± 0.02	1.10 ± 0.08	0.031 ± 0.002	inches mm
	11.0 ± 1.0	4.0 ± 0.5	28.0 ± 2.0	0.80 ± 0.05	
RSM 3	0.59 ± 0.04	0.22 ± 0.04	1.38 ± 0.12	0.031 ± 0.002	inches mm
	15.0 ± 1.0	5.5 ± 1.0	35.0 ± 3.0	0.80 ± 0.05	
RSM 5	0.96 ± 0.08	0.34 ± 0.06	1.38 ± 0.12	0.031 ± 0.002	inches mm
	24.5 ± 2.0	8.5 ± 1.5	35.0 ± 3.0	0.80 ± 0.05	

Performance Characteristics		
Test	Standard / Method	Requirement
Biased Humidity	MIL-STD 202, Method 103	± 1.5%
Resistance to Solder Heat	MIL-STD 202, Method 210F	± 0.5%
Dielectric Withstanding Voltage	MIL-STD 202, Method 103	± 0.5%
Load Life	MIL-STD 202, Method 103	± 1.0%
Short Time Over Load	JISC 5202 5.5	± 0.5%
Terminal Strength	MIL-STD 202, Method 103	± 0.2%
Temperature Cycling	JESD22 Method JA-104	± 1.0%
Moisture Resistance	MIL-STD 202, Method 103	± 0.5%
Vibration	MIL-STD 202, Method 103	± 0.5%
Low Temperature Operation	MIL-STD 202, Method 103	± 0.5%

Operating Temperature Range : -55°C to +130°C (RS 1/2, RSM 1)

-55°C to +235°C (All others)