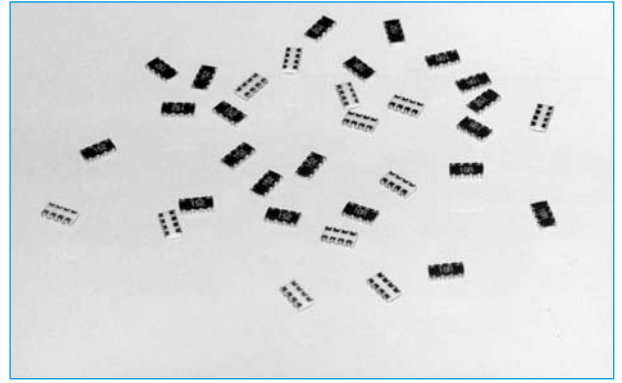


**SURFACE MOUNT**

- 1/16W Rated
- Saves placement time
- -55°C - 125°C
- Industry standard size

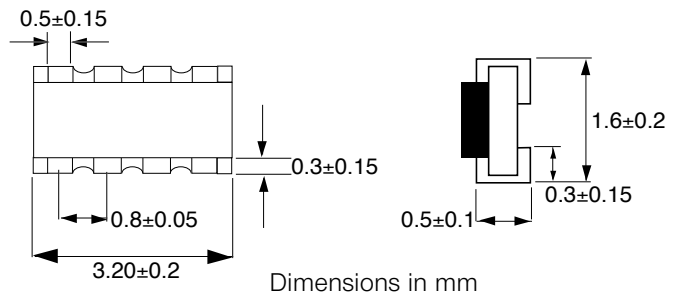
**THICK FILM RESISTOR NETWORK RN16**



**SPECIFICATION**

Power rating at 70°	1/16W
Operating Temp. Range	-55°C to +125°C
Derated at zero load at	+125°C
Maximum Working Voltage	50v
Maximum Overload Voltage	100v
Resistance Range	10Ω - 1M
Temperature Coefficient	±200ppm/°C
Resistance Tolerance	±5% and ±1%

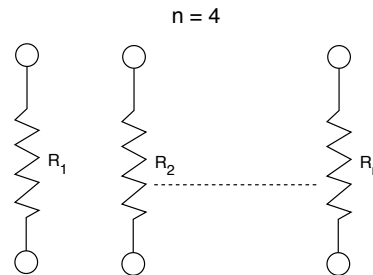
**OUTLINE DRAWING**



**ENVIRONMENTAL CHARACTERISTICS**

Performance Test	Test Method	Appraise
Temperature Coefficient	MIL-STD-202F, Method 304 -55°C to +125°C	±200ppm/°C
Thermal Shock	MIL-STD-202F, Method 107 5 cycles, -55°C to +125°C	±(1%+0.05Ω)
Low Temperature Operation	MIL-R-55342D, Para.4.7.4 1 hour at -65°C followed by 45 minutes RCWV	±(1%+0.05Ω)
Short Time Overload	MIL-R-55342D, Para.4.7.5 2.5 times RCWV for 5 seconds	±(1%+0.05Ω)
High Temperature Exposure	MIL-R-55342D, Para.4.7.6 125°C for 100 hours	±(1%+0.05Ω)
Resistance to Soldering Heat	MIL-R-55342D, Para.4.7.7 Soldered to test board at 260°C for 10 secs	±(1%+0.05Ω)
Moisture Resistance	MIL-STD-202F, METHOD 106 10 cycles. Total 240 hours	±(2%+0.05Ω)
Life	MIL-STD-202F, Method 108A 1000 hours at 70°C RCWV intermittent	±(2%+0.05Ω)
Solderability	MIL-STD-202F, Method 208 260°C for 10 seconds coverage	95% min.
Bending Strength	JIS-C-5202, Para.6.1.4 Unit mounted in centre of 90mm board length deflected 5mm in either direction for 10 seconds	±(1%+0.05Ω)

**SCHEMATICS**



**ORDERING INFORMATION**

<b>RN16</b>	<b>4</b>	<b>102</b>	<b>J</b>
Series	No. of Resistors	Value	Tolerance J = 5% F = 1%