

INTRODUCTION

Series RA, single in-line-pin, resistor networks offer semi-precision performance for commercial applications. Automated production assures competitive pricing and uniform quality. A heavy conformal coating protects the resistive element from moisture contamination.

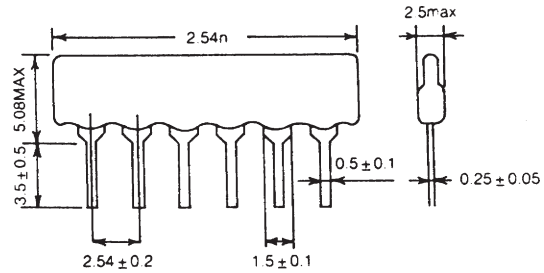
FEATURES

- Low profile, high stability
- Rugged construction
- Dual Termination available

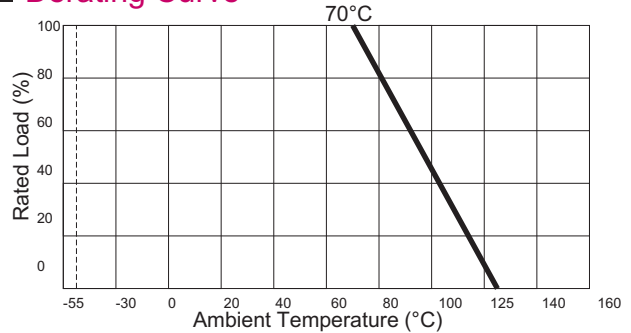
SPECIFICATIONS

| TYPE | Rated Power of Element (W) | Max. Working Voltage (V) | Max. Overload Voltage (V) | Resistance Range (Ω) | Resistance Tolerance |
|------|----------------------------|--------------------------|---------------------------|-------------------------------|--|
| RA12 | 0.125 | 200 | 280 | 1~10M | F($\pm 1\%$) G($\pm 2\%$) J($\pm 5\%$) |

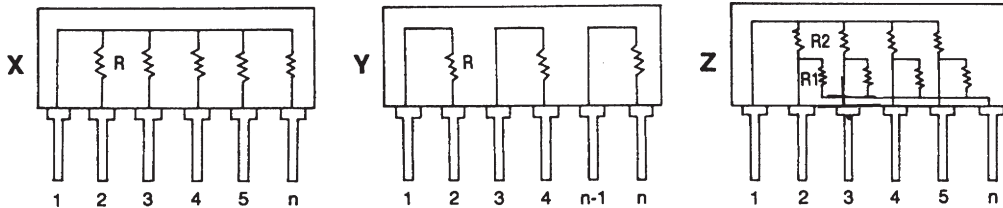
DIMENSIONS



Derating Curve



STANDARD CIRCUITS



Call for special circuit requirements.

TYPICAL PERFORMANCE

| Test Items | Spec. | Conditions | |
|--------------------------|-------------------|-------------------|---------------------|
| | | JIS-C-5202 | MIL-R-83401 |
| Operating Temp. | -55 ~ +125°C | | |
| Resistance Temp. Coef | ± 200 ppm/°C | 5.2(B) | 6.4.8 |
| Short Time Overload | $\pm 1.0\%$ | 5.5 | 4.6.10 |
| Temperature Cycle | $\pm 0.5\%$ | 7.4(-55°C/+125°C) | 4.6.3 |
| Load Life | $\pm 2.0\%$ | 7.10(1,000HR) | 4.6.18(70°C 1000HR) |
| Moisture-Proof Load Life | $\pm 2.0\%$ | 7.90(1,000HR) | |
| Moisture Resistance | $\pm 1.0\%$ | | 4.6.15 |
| High Temp. Exposure | $\pm 1.0\%$ | | 4.6.19 |
| Solderability | 95% Coverage Min. | 6.5(230°C/5S) | 4.6.6 |
| Solder Pot | $\pm 0.5\%$ | 6.4(260°C/10S) | 4.6.14 |

RATED POWER

At 1/8 Watt per element power rating
AMBIENT TEMPERATURE: 70°C

| # of Elements | Rated Power |
|---------------|-------------|
| 4 pin | 0.4W |
| 5 pin | 0.5W |
| 6 pin | 0.63W |
| 7 pin | 0.75W |
| 8 pin | 0.85W |
| 9 pin | 1.0W |
| 10 pin | 1.05W |

PART NUMBER EXAMPLE

