



**features**

- High precision resistor networks
- Combination of different resistance is available for custom circuit
- TCR tracking down to 5ppm/°C
- Marking: Black body color

**ordering information**

**RIA**

|                                |   |                             |                           |                           |   |                                       |  |  |
|--------------------------------|---|-----------------------------|---------------------------|---------------------------|---|---------------------------------------|--|--|
| <b>RIA</b>                     | <b>Q20</b>  | <b>T</b>                    | <b>TEB</b>                | <b>1002</b>               | <b>B</b>                                    | <b>E</b>                              | <b>B</b>   | <b>T</b>   |
| <b>Circuit Code</b>            | <b>Package Symbol</b>   | <b>Termination Material</b> | <b>Packaging</b>          | <b>Nominal Resistance</b> | <b>Absolute Tolerance</b>                   | <b>T.C.R.</b>                         | <b>Relative Res. Toler.</b>  | <b>T.C.R. Tracking</b>                                       |
| RIA: Isolated resistor network | Package type symbol + number of pins<br>Q16, Q20, Q24: QSOP<br>N08, N14, N16: SOIC narrow | T: Sn<br>(L: Sn/Pb)         | TEB: 13" embossed plastic | 4 digits                  | B: ±0.1%<br>C: ±0.25%<br>D: ±0.5%<br>F: ±1% | T: ±10<br>E: ±25<br>C: ±50<br>H: ±100 | A: ±0.05%<br>B: ±0.1%<br>C: ±0.25%<br>D: ±0.5%<br>F: ±1%<br>G: ±2%<br>Blank: Not specified | Y: ±05<br>T: ±10<br>E: ±25<br>C: ±50<br>Blank: Not specified |

**RNX**

|                              |                                      |                             |                           |                    |
|------------------------------|--------------------------------------|-----------------------------|---------------------------|--------------------|
| <b>RNX</b>                   | <b>Q20</b>                           | <b>T</b>                    | <b>TEB</b>                | <b>5128</b>        |
| <b>Circuit Code</b>          | <b>Package Symbol</b>                | <b>Termination Material</b> | <b>Packaging</b>          | <b>Custom Code</b> |
| RNX: Custom Resistor network | Package type symbol + number of pins | T: Sn<br>(L: Sn/Pb)         | TEB: 13" embossed plastic |                    |

For further information on packaging, please refer to Appendix A.

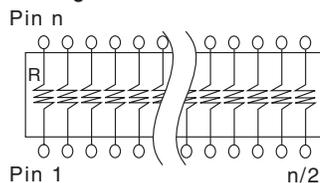
**ratings**

| Product Code | Number of Pins       | T.C.R.  | Resistance Range (E24) and Resistance Tolerance |              |              |              |                | Relative Resist. Tol.                  | TCR Tracking     |
|--------------|----------------------|---------|---|--------------|--------------|--------------|----------------|--|------------------|
|              |                      |         | B: ±0.1%  | C: ±0.25%    | D: ±0.5%     | F: ±1%       | G: ±2%, J: ±5% |  |                  |
| RIA<br>RNX   | 8, 14, 16,<br>20, 24 | T: ±10  | 510Ω ~ 100kΩ                                    | 510Ω ~ 100kΩ | 510Ω ~ 100kΩ | 510Ω ~ 100kΩ | 510Ω ~ 100kΩ   | 0.05%, 0.1%,<br>0.25%, 0.5%,<br>1%, 2% | 5, 10,<br>25, 50 |
|              |                      | E: ±25  |   |              | 100Ω ~ 510kΩ | 100Ω ~ 510kΩ | 100Ω ~ 510kΩ   |  |                  |
|              |                      | C: ±50  |   |              | 51Ω ~ 510kΩ  | 51Ω ~ 510kΩ  | 51Ω ~ 510kΩ    |  |                  |
|              |                      | H: ±100 |   |              | 30Ω ~ 510kΩ  | 10Ω ~ 510kΩ  | 10Ω ~ 510kΩ    |  |                  |

Please ask about your custom devices and circuits (Different resistance combinations available). Depending on the circuit and package, much higher resistances are possible. For RIA20, 24 pin, highest resistance value/element is up to 100kΩ

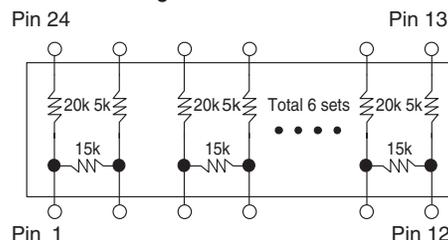
**circuit schematic**

**RIA - High Precision Resistor Networks**

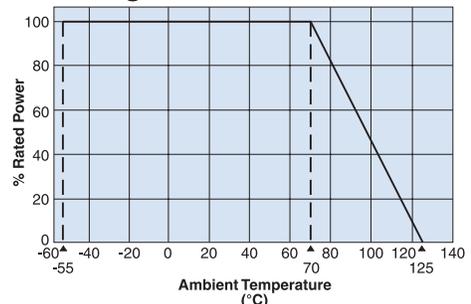


Please ask about your custom devices and circuits.

**RNX - Custom High Precision Resistor Networks**



**environmental applications**  
**Derating Curve**



For resistors operated at an ambient temperature of 70°C or above, a power rating shall be derated in accordance with the derating curve.

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use. 1/30/20