

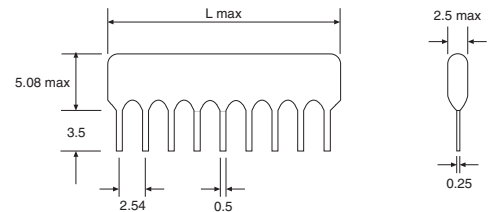
EUROHM type SI / SC Series

A series of thick film resistor networks housed in single in-line, low profile, epoxy coated packages. Incorporate high quality metal glaze elements on a ceramic substrate. Choice of isolated resistors or commoned up to 10 pin. Suitable for high density circuit boards where they offer space saving benefits and greater reliability than discrete components.

- ◆ Conformal **single in-line** packages
- ◆ Low profile, high performance
- ◆ 0.1 inch pin spacing
- ◆ **Very competitively priced**
- ◆ Choice of **isolated** or **commoned**
- ◆ Resistance tolerance **2%**
- ◆ Body colour **Black**

| Specification | SI / SC Series | Dimensions (mm) |
|---------------|----------------|-----------------|
|---------------|----------------|-----------------|

| | |
|---|--|
| Power rating per resistor | 0.2 Watt (isolated - SI8) 0.125 Watt (commoned - SC series) at 70°C, derate to zero at 125°C |
| Resistance tolerance | ±2% |
| Temperature coefficient | ±100ppm/°C (values >47R) ±250ppm/°C (values ≤47R) |
| Operating temperature range | -55°C to +125°C |
| Max working voltage | 100V |
| Insulation resistance | ≥10.000MΩ |
| Test performance (resistance stability) | |
| Short term overload | ±(0.5% +0.05R) |
| Temperature cycling | ±(0.5% +0.05R) |
| Soldering heat | ±(0.5% +0.05R) |
| Endurance, 1000 hours 90-95% RH | ±(2% +0.05R) |
| Endurance, 1000 hours 70°C | ±(2% +0.05R) |



| Type | L max. |
|------|--------|
| SI8 | 20.4 |
| SC5 | 12.7 |
| SC6 | 15.3 |
| SC8 | 20.4 |
| SC9 | 22.9 |
| SC10 | 25.4 |

ORDER CODES

| | SI8 | SC5 | SC6 | SC8 | SC9 | SC10 |
|----------------|---|---|---|---|---|--|
| Config. | 4 isolated resistors 8 pin package | 4 commoned resistors 5 pin package | 5 commoned resistors 6 pin package | 7 commoned resistors 8 pin package | 8 commoned resistors 9 pin package | 9 commoned resistors 10 pin package |
| Value | Order Code | Order Code | Order Code | Order Code | Order Code | Order Code |
| 10R | 007100 | — | — | — | — | — |
| 22R | 007220 | — | — | 008220 | 009220 | — |
| 33R | 007330 | — | — | 008330 | 009330 | — |
| 47R | 007470 | — | — | 008470 | 009470 | 010330 |
| 100R | 007101 | — | — | 008101 | 009101 | 010470 |
| 150R | 007151 | — | — | — | — | 010101 |
| 180R | 007181 | — | — | 008181 | 009181 | — |
| 220R | 007221 | — | 005221 | 008221 | 009221 | 010221 |
| 270R | 007271 | — | — | — | 009271 | — |
| 330R | 007331 | — | — | 008331 | 009331 | 010331 |
| 390R | 007391 | — | — | — | — | — |
| 470R | 007471 | — | 005471 | 008471 | 009471 | 010471 |
| 680R | 007681 | — | 005681 | 008681 | 009681 | — |
| 1K0 | 007102 | 014102 | 005102 | 008102 | 009102 | 010102 |
| 1K5 | 007152 | — | — | 008152 | 009152 | 010152 |
| 1K8 | 007182 | — | — | — | — | — |
| 2K2 | 007222 | 014222 | 005222 | 008222 | 009222 | 010222 |
| 2K7 | — | — | — | — | 009272 | — |
| 3K3 | 007332 | 014332 | — | 008332 | 009332 | 010332 |
| 3K9 | — | — | — | — | 009392 | — |
| 4K7 | 007472 | 014472 | 005472 | 008472 | 009472 | 010472 |
| 6K8 | 007682 | — | — | 008682 | 009682 | — |
| 10K | 007103 | 014103 | 005103 | 008103 | 009103 | 010103 |
| 22K | 007223 | 014223 | 005223 | 008223 | 009223 | 010223 |
| 33K | 007333 | — | — | 008333 | 009333 | 010333 |
| 47K | 007473 | 014473 | 005473 | 008473 | 009473 | 010473 |
| 100K | 007104 | 014104 | 005104 | 008104 | 009104 | 010104 |
| 220K | 007224 | — | 005224 | 008224 | 009224 | 010224 |
| 330K | 007334 | — | — | 008334 | 009334 | — |
| 470K | 007474 | — | — | 008474 | 009474 | — |
| 1M0 | 007105 | — | 005105 | 008105 | 009105 | 010105 |

Other circuit configurations and values, including mixed values, available to special order.