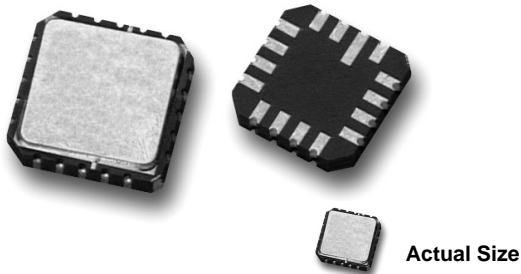


SLCC

Vishay Thin Film



Hermetic, 50 Mil Pitch, Leadless Chip Resistor Networks



FEATURES

- High stability Ultrafilm®
- Low noise
- Hermetic package

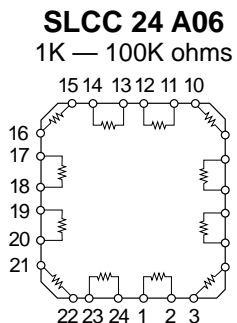
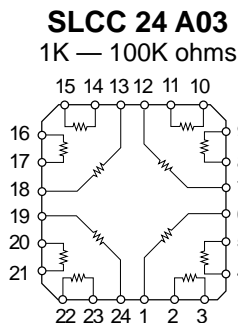
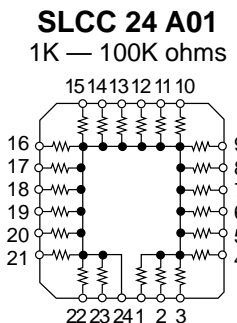
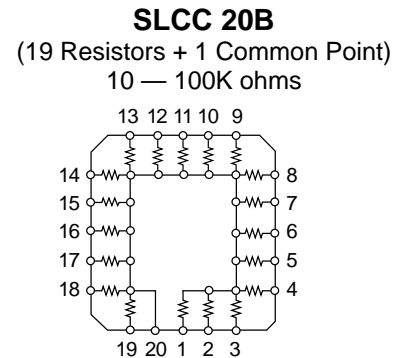
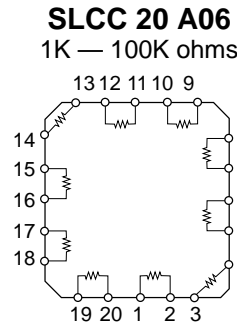
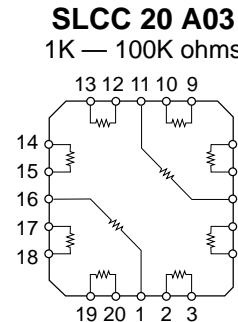
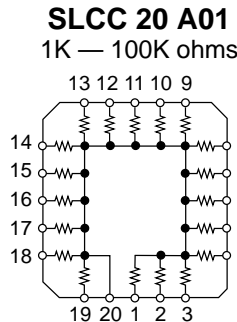
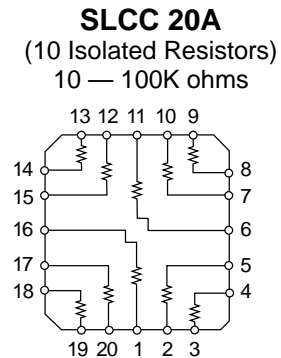
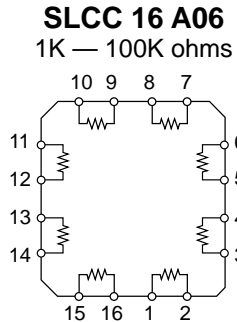
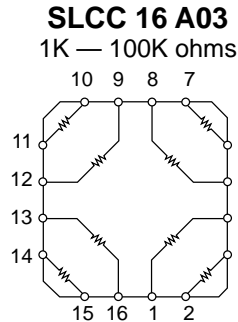
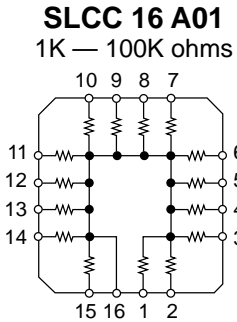
TYPICAL PERFORMANCE

| | ABS | TRACKING |
|-----|-----|----------|
| TCR | 25 | 2 |
| | ABS | RATIO |
| TOL | 0.1 | 0.1 |

Capable of meeting the characteristics of MIL-PRF-83401 these networks are available in a wide range of resistance values: several standard configurations are presented with the SLCC series.

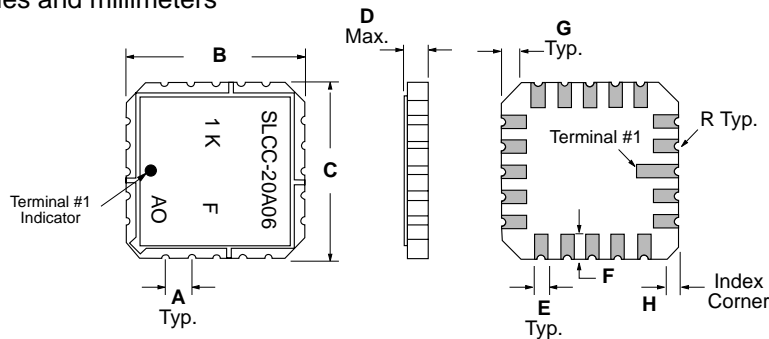
SCHEMATICS

Resistance Range: Noted on schematics



VISHAY THIN FILM • FRANCE +33.4.93.37.28.24 FAX: +33.4.93.37.27.31 • GERMANY +49.9287.710 FAX: +49 9287.70435 • ISRAEL +972.3.557.0945 FAX: +972.3.558.9121
 • ITALY + 39.2.300.11919 FAX: +39.2.300.11999 • JAPAN +81.42.729.0661 FAX: +81.42.729.3400 • SINGAPORE +65.788.6668 FAX: +65.788.0988
 • SWEDEN +46.8.594.70590 FAX: +46.8.594.70581 • UK +44 191 514 8237 FAX: +44 1953 457 722 • USA: (610) 407-4800 FAX: (610) 640-9081

| STANDARD ELECTRICAL SPECIFICATIONS | | |
|------------------------------------|---|---|
| TEST | SPECIFICATIONS | CONDITIONS |
| PIN NUMBER | 16, 20, 24 | |
| TCR: | Tracking | $\pm 2\text{ppm}/^\circ\text{C}$ typical/ $5\text{ppm}/^\circ\text{C}$ Max. |
| | Absolute | $\pm 25\text{ppm}/^\circ\text{C}$ Max. |
| Tolerance: | Ratio | $\pm 0.1\%$ to $\pm 1\%$ tighter specs on request |
| | Absolute | $\pm 0.1\%$ to $\pm 5\%$ tighter specs on request |
| Power Rating: | Resistor | 50mW |
| | Package | 500mW 250mW 1W |
| Stability (ΔR Ratio) | 0.05% | Maximum |
| Voltage Coefficient | $< 0.1\text{ppm}/\text{V}$ | 1000 hrs. @ $+70^\circ\text{C}$ |
| Working Voltage | 100VDC on R | |
| Operating Temperature Range | -55°C to $+125^\circ\text{C}$ | |
| Storage Temperature Range | -55°C to $+150^\circ\text{C}$ | |
| Noise | -35dB typical | |
| Thermal EMF | $0.1\mu\text{V}/^\circ\text{C}$ | |
| Shelf Life Stability | $< 50\text{ppm}$ | 1 year @ $+25^\circ\text{C}$ |

DIMENSIONS in inches and millimeters


| | A | B | C | D | E | F | G | H |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 16 Pin | 0.050" | 0.300" | 0.300" | 0.077" | 0.025" | 0.050" | 0.040" | 0.020" |
| mm | 1.27 | 7.62 | 7.62 | 1.96 | 0.635 | 1.27 | 1.02 | 0.508 |
| 20 Pin | 0.050" | 0.350" | 0.350" | 0.077" | 0.025" | 0.050" | 0.040" | 0.020" |
| mm | 1.27 | 8.89 | 8.89 | 1.96 | 0.635 | 1.27 | 1.02 | 0.508 |
| 24 Pin | 0.050" | 0.400" | 0.400" | 0.077" | 0.025" | 0.050" | 0.040" | 0.020" |
| mm | 1.27 | 10.16 | 10.16 | 1.96 | 0.635 | 1.27 | 1.02 | 0.508 |

How to Order

| Series | Number of Pins | Schematic | Ohmic Value | Absolute Tolerance | Ratio |
|--------|----------------|-----------------------------|-------------|---|---------------------------------------|
| SLCC | 16 | A | 5.8K ohms | B | |
| | 16 20 24 | A B A01 A03 A06 | 5.8K ohms | B = $\pm 0.1\%$ D = $\pm 0.5\%$ F = $\pm 1.0\%$ G = $\pm 2.0\%$ J = $\pm 5.0\%$ | 0.1% 0.25% 0.5% 1.0% 1.0% |

VISHAY THIN FILM • FRANCE +33.4.93.37.28.24 FAX: +33.4.93.37.27.31 • GERMANY +49.9287.710 FAX: +49 9287.70435 • ISRAEL +972.3.557.0945 FAX: +972.3.558.9121
 • ITALY + 39.2.300.11919 FAX: +39.2.300.11999 • JAPAN +81.42.729.0661 FAX: +81.42.729.3400 • SINGAPORE +65.788.6668 FAX: +65.788.0988
 • SWEDEN +46.8.594.70590 FAX: +46.8.594.70581 • UK +44 191 514 8237 FAX: +44 1953 457 722 • USA: (610) 407-4800 FAX: (610) 640-9081



Notice

Specifications of the products displayed herein are subject to change without notice. Vishay Intertechnology, Inc., or anyone on its behalf, assumes no responsibility or liability for any errors or inaccuracies.

Information contained herein is intended to provide a product description only. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Vishay's terms and conditions of sale for such products, Vishay assumes no liability whatsoever, and disclaims any express or implied warranty, relating to sale and/or use of Vishay products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright, or other intellectual property right.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Vishay for any damages resulting from such improper use or sale.