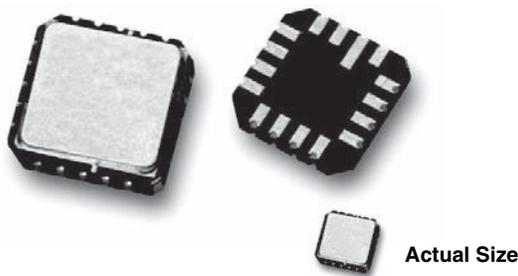




Hermetic, 50 Mil Pitch, Leadless Chip Thin Film Resistor Networks



FEATURES

- High stability ultrafilm (0.05 % at 1000 h at +70 °C under Pn)
- Custom available (CNP)
- Low noise < -35 dB
- SMD
- Hermetic package
- Leadless chip carrier
- 10 Ω to 100 kΩ
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912



RoHS
COMPLIANT
HALOGEN
FREE

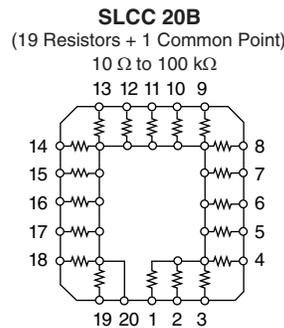
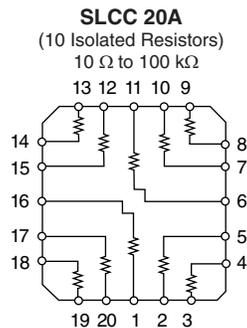
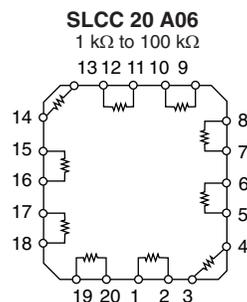
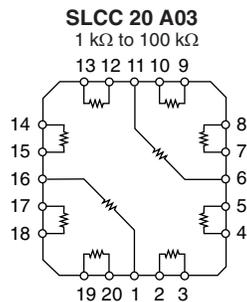
DESIGN SUPPORT TOOLS

[click logo to get started](#)

3D
Models
Available

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.

SCHEMATIC



Gold Terminals

Option: tin / silver plating: 076

Notes

- For values outside ohmic range please consult Vishay Sfernice
- For custom networks a specific part number is used CNPxxxx. Please consult Vishay Sfernice

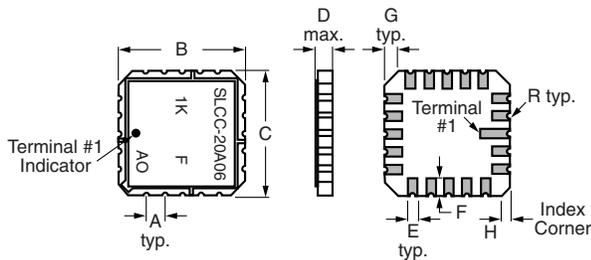
| STANDARD ELECTRICAL SPECIFICATIONS | | | | | | | | |
|------------------------------------|------|-----------------------|---|--|--|---------------------------------------|---|--------------------------------------|
| MODEL | SIZE | RESISTANCE RANGE Ω | POWER RATING PER RESISTOR ⁽¹⁾ W | POWER RATING PER PACKAGE ⁽¹⁾ W | ABSOLUTE TOLERANCE ⁽²⁾ ± % | RATIO TOLERANCE ⁽²⁾ ± % | ABSOLUTE TCR ⁽³⁾ ± ppm/°C | RATIO TCR ⁽⁴⁾ ± ppm/°C |
| SLCC (CNP) | 3535 | 10 to 100K | 0.050 | 0.500 | 0.1, 0.5, 1, 2, 5 | 0.1, 0.25, 0.5, 1 | 25 | 2, 5 |

Notes

- (1) at +70 °C
- (2) Tighter specs on request
- (3) at -55 °C to 155 °C
- (4) ± 2 ppm/°C typical, 5 ppm/°C maximum at -55 °C to 155 °C

| PERFORMANCES | | |
|-------------------------------|--------------------------|---------------------------|
| TEST | SPECIFICATIONS | CONDITIONS |
| Stability (ΔR ratio) | 0.05 % | 1000 h at +70 °C under Pn |
| Voltage coefficient | < 0.1 ppm/V | |
| Working voltage | 100 V _{DC} on R | |
| Noise | -35 dB typical | |
| Thermal EMF | 0.1 μ V/°C | |
| Shelf life stability | < 50 ppm | 1 year at +25 °C |

| CLIMATIC SPECIFICATIONS | |
|-----------------------------|-------------------|
| Operating temperature range | -55 °C to +155 °C |
| Storage temperature range | -55 °C to +155 °C |

DIMENSIONS in millimeters [inches]


| | 20 Pin |
|----------|---------------|
| A | 1.27 [0.050] |
| B | 8.89 [0.350] |
| C | 8.89 [0.350] |
| D | 1.96 [0.077] |
| E | 0.635 [0.025] |
| F | 1.27 [0.050] |
| G | 1.02 [0.040] |
| H | 0.508 [0.020] |

PACKAGING

Tape and reel 250 pieces per tape.

| GLOBAL PART NUMBER INFORMATION | | | | | | | | | | | | | | | | | |
|---|---|----------------------|---|---|--|---|--|---|---|---------------------------------|---|-----------------------------|---|---|---|---|---|
| New Global Part Numbering: SLCC20A03-10KF005 | | | | | | | | | | | | | | | | | |
| S | L | C | C | 2 | 0 | A | 0 | 3 | - | 1 | 0 | K | F | T | 0 | 0 | 5 |
| GLOBAL MODEL | | SCHEMATIC | | | VALUE | | TOL. | | | PACKAGING | | OPTION | | | | | |
| SLCC20 | | A B A03 A06 | | | Decimal R, K or M | | B (0.1 % 0.1 %) D (0.5 % 0.25 %) F (1.0 % 0.5 %) G (2.0 % 1.0 %) J (5.0 % 1.0 %) | | | T: tape and reel Blank: tube | | Leave blank if no option | | | | | |
| For custom specification: | | | | | | | | | | | | | | | | | |
| CNP | | 1186 | | | | | | | | | | | | | | | |
| GLOBAL MODEL | | REFERENCE | | | Reference is assigned by Vishay Sfernice | | | | | | | | | | | | |



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