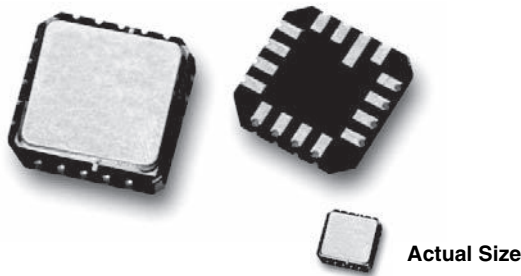




Hermetic, 50 Mil Pitch, Leadless Chip Thin Film Resistor Networks



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



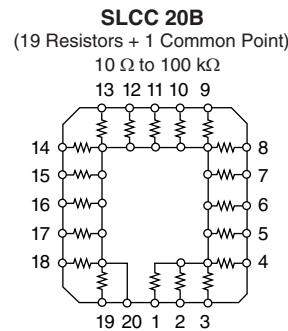
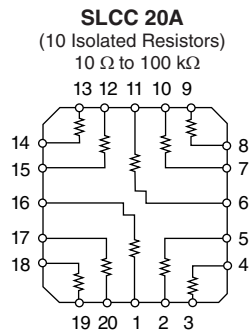
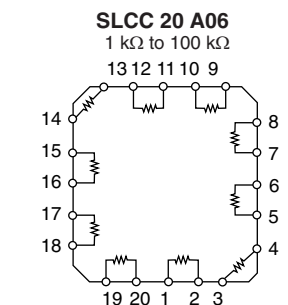
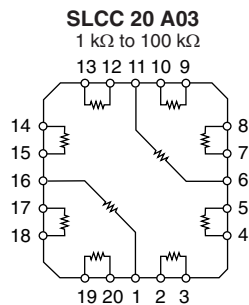
DESIGN SUPPORT TOOLS

[click logo to get started](#)



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

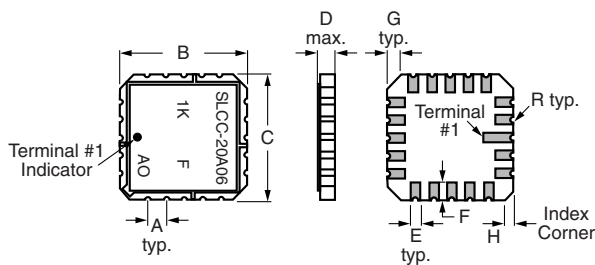
STANDARD ELECTRICAL SPECIFICATIONS								
MODEL	SIZE	RESISTANCE RANGE Ω	POWER RATING PER RESISTOR ⁽¹⁾ W	POWER RATING PER PACKAGE ⁽¹⁾ W	ABSOLUTE TOLERANCE ⁽²⁾ ± %	RATIO TOLERANCE ⁽²⁾ ± %	ABSOLUTE TCR ⁽³⁾ ± ppm/°C	RATIO TCR ⁽⁴⁾ ± ppm/°C
SLCC (CNP)	3535	10 to 100K	0.050	0.500	0.1, 0.5, 1, 2, 5	0.1, 0.25,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