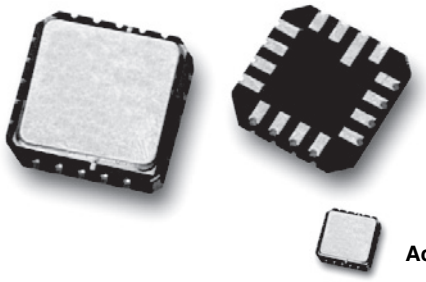
Hermetic, 50 Mil Pitch, Leadless Chip Resistor Networks



Actual Size

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.

FEATURES

- High stability Ultrafilm (0.05 % at 1000 h at 70 °C under Pn)
- Low noise < 35 dB
- Hermetic package

Pb-free
RoHS COMPLIANT

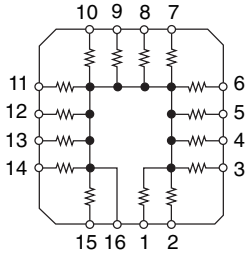
TYPICAL PERFORMANCE

	ABS	TRACKING
TCR	25 ppm/°C	2 ppm/°C
	ABS	RATIO
TOL	0.1 %	0.1 %

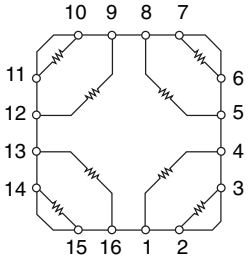
Resistance Range: Noted on schematics

SCHEMATIC

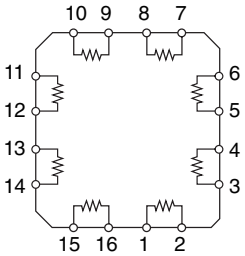
SLCC 16 A01
1 K — 100 K ohms



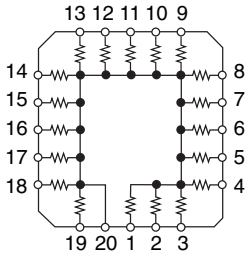
SLCC 16 A03
1 K — 100 K ohms



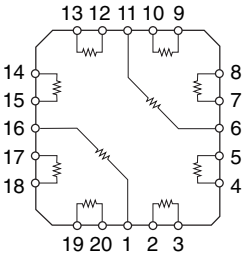
SLCC 16 A06
1 K — 100 K ohms



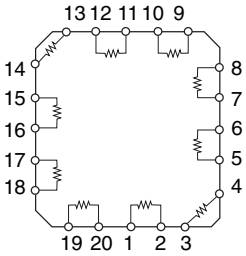
SLCC 20 A01
1 K — 100 K ohms



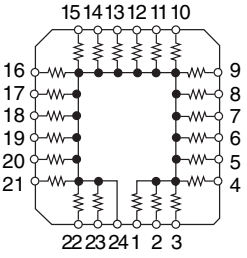
SLCC 20 A03
1 K — 100 K ohms



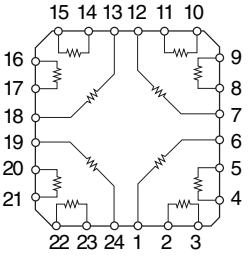
SLCC 20 A06
1 K — 100 K ohms



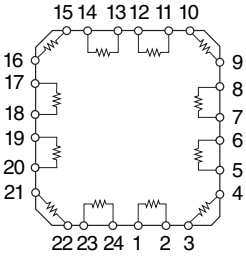
SLCC 24 A01
1 K — 100 K ohms



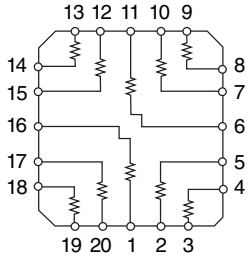
SLCC 24 A03
1 K — 100 K ohms



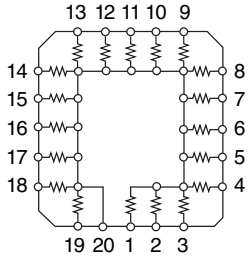
SLCC 24 A06
1 K — 100 K ohms



SLCC 20A
(10 Isolated Resistors)
10 — 100 K ohms



SLCC 20B
(19 Resistors + 1 Common Point)
10 — 100 K ohms

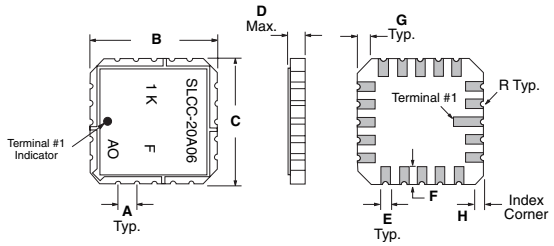


For technical questions contact sfer@vishay.com

STANDARD ELECTRICAL SPECIFICATIONS

TEST		SPECIFICATIONS	CONDITIONS
PIN NUMBER		**16, 20, 24**	
TCR:	**Tracking**	± 2 ppm/°C (typical)/5 ppm/°C Max.	- 55 °C to + 125 °C
	Absolute	± 25 ppm/°C Max.	- 55 °C to + 125 °C
Tolerance:	**Ratio**	± 0.1 % to 1.0 % tighter specs on request	
	Absolute	± 0.1 % to 5.0 % tighter specs on request	
Power Rating:	**Resistor**	50 mW	at + 70 °C
	Package	250 mW 500 mW 1 W	at + 70 °C
Stability (Δ*R* Ratio)		0.05 %	1000 hrs at + 70 °C under Pn
Voltage Coefficient		< 0.1 ppm/V	
Working Voltage		100 V_{DC} on R	
Operating Temperature Range		- 55 °C to + 125 °C	
Storage Temperature Range		- 55 °C to + 150 °C	
Noise		- 35 dB typical	
Thermal EMF		0.1 µV/°C	
Shelf Life Stability		< 50 ppm	1 year at + 25 °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

GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: SLCC24A01-10KF0005

S	L	C	C	2	4	A	0	1	-	1	0	K	F	0	0	0	5

GLOBAL MODEL	SCHEMATIC	VALUE	TOL.	SPECIAL
SLCC16 **SLCC20** **SLCC24**	**A** **B** **A01** **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 %)	

Historical Part Number example: SLCC 24 A01 10K F R0005 e4

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