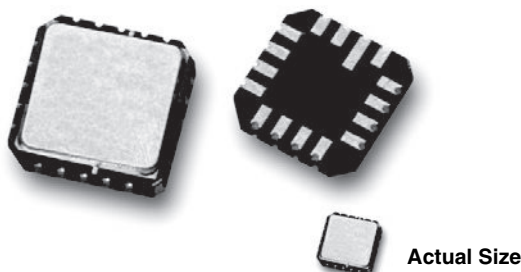




Hermetic, 50 Mil Pitch, Leadless Chip Thin Film Resistor Networks



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



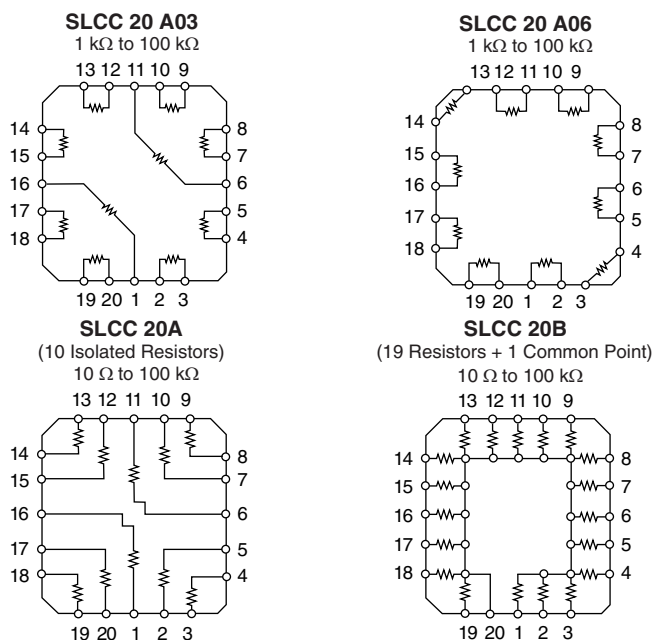
RoHS
COMPLIANT
HALOGEN
FREE

LINKS TO ADDITIONAL RESOURCES



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

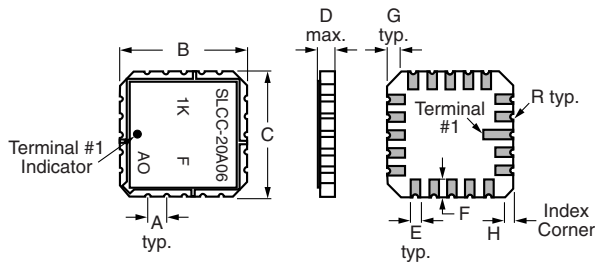
- (1) at +70 °C
- (2) Tighter specs on request
- (3) at -55 °C to 155 °C
- (4) ± 2 ppm/°C typical, 5 ppm/°C maximum at -55 °C to 155 °C

**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 INFORMATIONNew 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



Disclaimer

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Vishay makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product. To the maximum extent permitted by applicable law, Vishay disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.

Statements regarding the suitability of products for certain types of applications are based on Vishay's knowledge of typical requirements that are often placed on Vishay products in generic applications. Such statements are not binding statements about the suitability of products for a particular application. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts. Product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein.

Hyperlinks included in this datasheet may direct users to third-party websites. These links are provided as a convenience and for informational purposes only. Inclusion of these hyperlinks does not constitute an endorsement or an approval by Vishay of any of the products, services or opinions of the corporation, organization or individual associated with the third-party website. Vishay disclaims any and all liability and bears no responsibility for the accuracy, legality or content of the third-party website or for that of subsequent links.

Vishay products are not designed for use in life-saving or life-sustaining applications or any application in which the failure of the Vishay product could result in personal injury or death unless specifically qualified in writing by Vishay. Customers using or selling Vishay products not expressly indicated for use in such applications do so at their own risk. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay. Product names and markings noted herein may be trademarks of their respective owners.