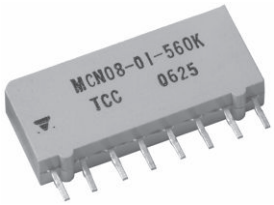
Thick Film Capacitor Networks, Single-In-Line, Molded SIP



FEATURES

- Isolated and bussed schematics available
- Custom schematics available
- NP0 or X7R capacitors for line terminator
- Wide operating temperature range (- 55 °C to 125 °C)
- Molded epoxy case
- Solder coated copper terminals
- Solderability per MIL-STD-202 method 208E
- Marking resistance to solvents per MIL-STD-202 method 215
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912

Pb Available

e1 RoHS* Available

Note

* This datasheet provides information about parts that are RoHS-compliant and/or parts that are non-RoHS-compliant. For example, parts with lead (Pb) terminations are not RoHS-compliant. Please see the information/tables in this datasheet for details.

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	SCHEMATIC	CAPACITANCE RANGE		CAPACITANCE TOLERANCE (2) ± %	CAPACITANCE VOLTAGE V_{DC}
		NP0 (1)	X7R		
MCN	01	33 pF to 3900 pF	470 pF to 0.1 µF	10, 20	50
	02	33 pF to 3900 pF	470 pF to 0.1 µF	10, 20	50
	09	33 pF to 3900 pF	470 pF to 0.1 µF	10, 20	50

Notes

(1) NP0 capacitors may be substituted for X7R capacitors

(2) Tighter tolerances available on request

GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: MCN0801N101KTB (preferred part number format)

M	C	N	0	8	0	1	N	1	0	1	K	T	B

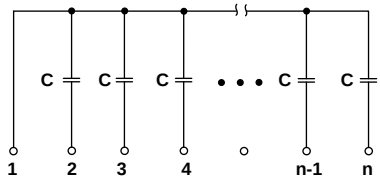
GLOBAL MODEL	PIN COUNT	SCHEMATIC	CHARACTERISTICS	CAPACITANCE VALUE	TOLERANCE	TERMINAL FINISH	PACKAGING
MCN	**08** = 8 pin **09** = 9 pin **10** = 10 pin	**01** **02** **09**	**N** = NP0 **X** = X7R	(in picofarads) 2 digit significant figure, followed by a multiplier **101** = 100 pF **392** = 3000 pF **104** = 0.1 µF	**K** = 10 % **M** = 20 %	**T** = Sn90/Pb10 **C** = Sn95.5/Ag3.9/Cu0.6	**B** = Bulk

Historical Part Numbering: MCN0801101KS10 (will continue to be accepted)

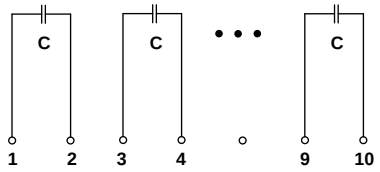
MCN	08	01	101	K	S10
HISTORICAL MODEL	PIN COUNT	SCHEMATIC	CAPACITANCE VALUE	TOLERANCE	TERMINAL FINISH

SCHEMATICS

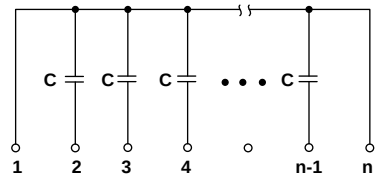
SCHEMATIC 01



SCHEMATIC 02



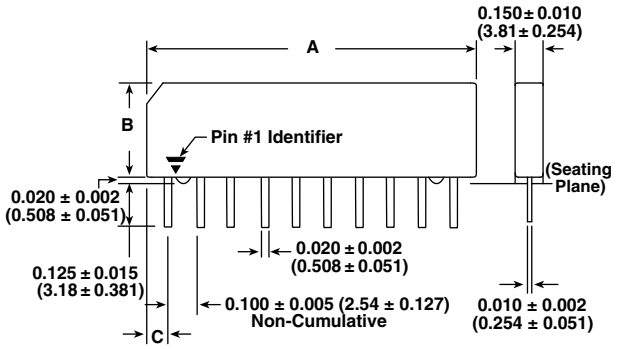
SCHEMATIC 09



Note

- Custom schematics available

DIMENSIONS in inches (millimeters)



NUMBER OF PINS	A ± 0.010 (0.254)	B ± 0.010 (0.254)	C ± 0.010 (0.254)
8	0.780 (19.81)	0.325 (8.26)	0.040 (1.02)
9	0.940 (23.88)	0.246 (6.25)	0.075 (1.91)
10	1.040 (26.42)	0.316 (8.03)	0.075 (1.91)

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