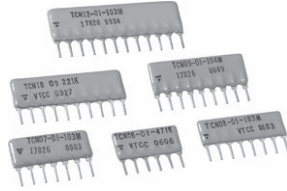


## Thick Film Capacitor Networks, Single-In-Line, Conformal Coated SIP



### FEATURES

- Isolated and bussed schematics available
- NP0 or X7R capacitors for line terminator
- Wide operating temperature range (- 55 °C to 125 °C)
- Epoxy based conformal coating
- 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](http://www.vishay.com/doc?99912)



Available


**RoHS\***  
Available

**HALOGEN  
FREE**

### 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 <sub>DC</sub>
		NP0 (1)	X7R		
TCN	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: TCN0801N101KT B (preferred part number format)

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

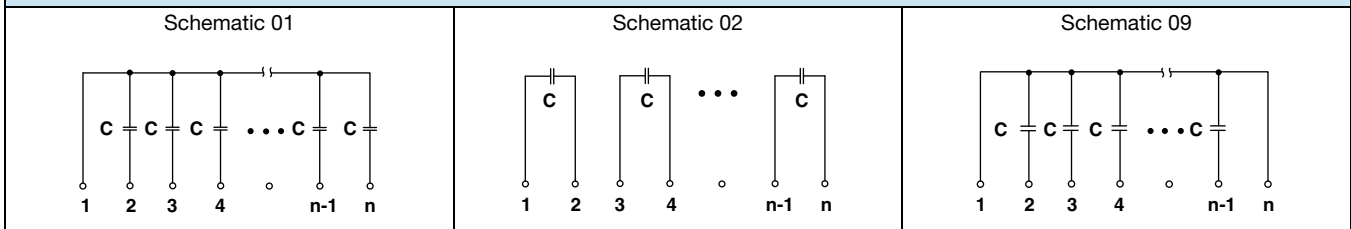
GLOBAL MODEL	PIN COUNT	SCHEMATIC	CHARACTERISTICS	CAPACITANCE VALUE	TOLERANCE	TERMINAL FINISH	PACKAGING
TCN	06 to 12 pin available 06 = 6 pin 08 = 8 pin 12 = 12 pin	01 02 09	N = NP0 X = X7R	(In picofarads) 2 digit significant figure, followed by a multiplier 101 = 100 pF 392 = 3000 pF 104 = 0.1 μF	K = 10 % M = 20 %	T = Sn90/Pb10 C = Sn95.5/ Ag3.9/ Cu0.6	B = Bulk

Historical Part Numbering: TCN0801101KS10 (will continue to be accepted)

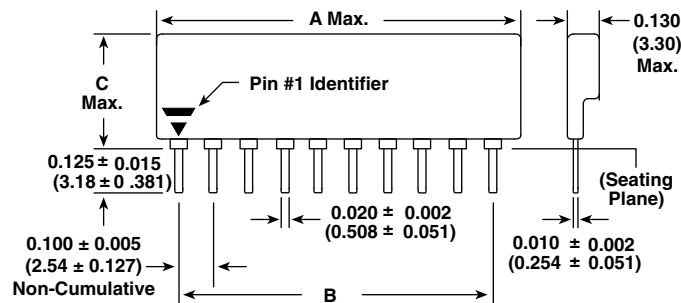
TCN	08	01	101	K	S10
HISTORICAL MODEL	PIN COUNT	SCHEMATIC	CAPACITANCE VALUE	TOLERANCE	TERMINAL FINISH

### Note

- For additional information on packaging, refer to the Through-hole Network Packaging document ([www.vishay.com/doc?31542](http://www.vishay.com/doc?31542)).

**SCHEMATICS**

**Note**

- Custom schematics available.

**DIMENSIONS** in inches (millimeters)


NUMBER OF PINS	A (Max.)	B ± 0.005 (0.127)	C (Max.)
6	0.590 (14.99)	0.500 (12.70)	0.350 (8.89)
7	0.690 (17.53)	0.600 (15.24)	0.350 (8.89)
8	0.790 (20.07)	0.700 (17.78)	0.350 (8.89)
9	0.890 (22.61)	0.800 (20.32)	0.350 (8.89)
10	0.990 (25.15)	0.900 (22.86)	0.350 (8.89)
11	1.09 (27.69)	1.00 (25.40)	0.350 (8.89)
12	1.19 (30.23)	1.10 (27.94)	0.350 (8.89)



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