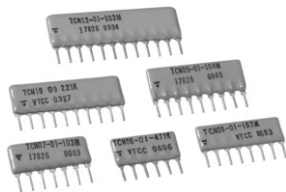


## Capacitors Networks, Coated SIP



### FEATURES

- 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

### STANDARD ELECTRICAL SPECIFICATIONS

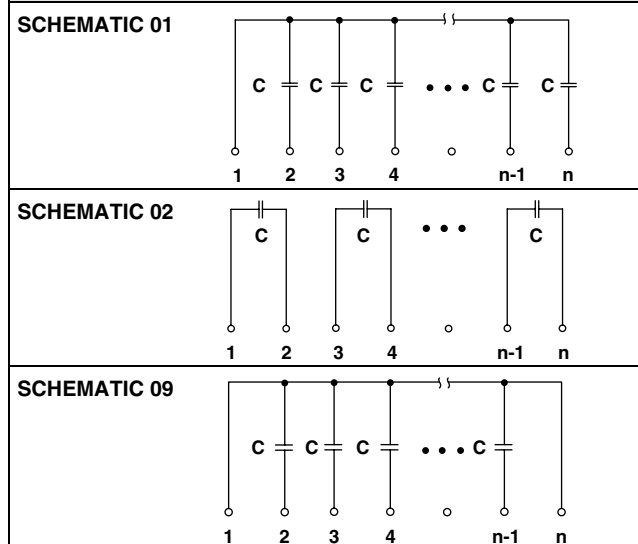
MODEL	SCHEMATIC	CAPACITANCE RANGE		CAPACITANCE TOLERANCE (2)	CAPACITANCE VOLTAGE VDC
		NP0 (1)	X7R		
TCN	01	33 pF - 3900 pF	470 pF - 0.1 μF	± 10 %, ± 20 %	50
	02	33 pF - 3900 pF	470 pF - 0.1 μF	± 10 %, ± 20 %	50
	09	33 pF - 3900 pF	470 pF - 0.1 μF	± 10 %, ± 20 %	50

#### Notes

(1) NP0 capacitors may be substituted for X7R capacitors

(2) Tighter tolerances available on request

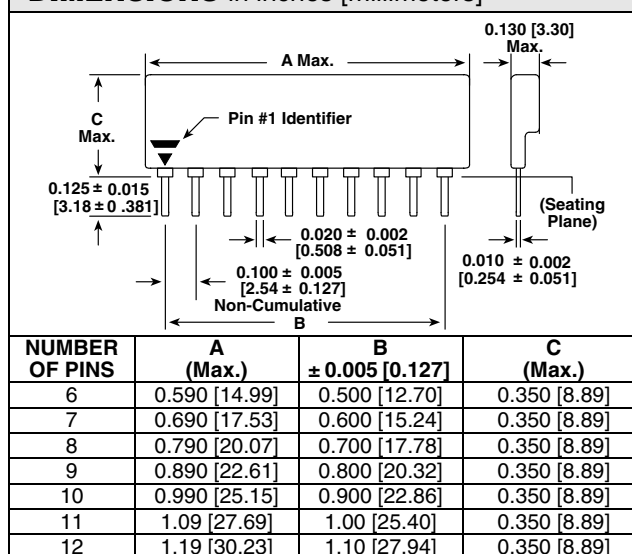
### SCHEMATICS



#### Note

- Custom schematics available

### DIMENSIONS in inches [millimeters]



### GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: TCN0801N101KTB (preferred part number format)

GLOBAL MODEL	PIN COUNT	SCHEMATIC	CHARACTERISTICS	CAPACITANCE VALUE	TOLERANCE	TERMINAL FINISH	PACKAGING
TCN	06 = 6 pin 07 = 7 pin 08 = 8 pin 09 = 9 pin 10 = 10 pin 11 = 11 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 = 3900 pF 104 = 0.1 μF	K = 10 % M = 20 %	T = Sn90/Pb10	B = Bulk

Historical Part Numbering: TCN0801N101KS10 (will continue to be accepted)

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



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