

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



## FEATURES

- Isolated and bussed schematics available
- Thick film resistors
- NP0 or X7R capacitors for line terminator
- Wide operating temperature range (- 55 °C to 125 °C)
- Custom Resistor/Capacitor schematics available
- Material categorization: For definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)



**RoHS\***  
COMPLIANT  
HALOGEN  
**FREE**

## Note

\* Lead (Pb)-containing terminations are not RoHS-compliant. Exemptions may apply.

## STANDARD ELECTRICAL SPECIFICATIONS

MODEL	SCHEMATIC	RESISTOR CHARACTERISTICS				CAPACITOR CHARACTERISTICS			
		POWER RATING $P_{70\text{ }^{\circ}\text{C W}}$	RESISTANCE RANGE $\Omega$	RESISTANCE TOLERANCE <sup>(1)</sup> $\pm \%$	TEMP. COEFF. $\pm \text{ppm}/^{\circ}\text{C}$	TYPE <sup>(2)</sup>	CAPACITANCE RANGE	CAPACITANCE TOLERANCE <sup>(3)</sup> $\pm \%$	CAPACITANCE VOLTAGE $V_{dc}$
TRC	01	0.20	10 to 1M	1, 2, 5	150	NP0	33 pF to 3900 pF	10, 20	50
						X7R	470 pF to 0.1 $\mu\text{F}$	10, 20	
	02	0.20	10 to 1M	1, 2, 5	150	NP0	33 pF to 3900 pF	10, 20	50
						X7R	470 pF to 0.1 $\mu\text{F}$	10, 20	
	09	0.20	10 to 1M	1, 2, 5	150	NP0	33 pF to 3900 pF	10, 20	50
						X7R	470 pF to 0.1 $\mu\text{F}$	10, 20	

## Notes

- (1)  $\pm 2 \%$  standard,  $\pm 1 \%$  and  $\pm 5 \%$  available  
(2) NP0 capacitors may be substituted for X7R capacitors  
(3) Tighter tolerances available on request

## GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: TRC0801N101J560KT B (preferred part number format)

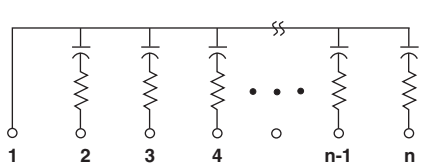
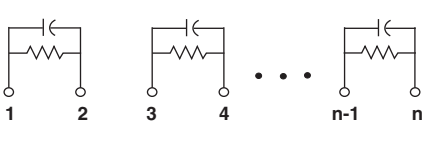
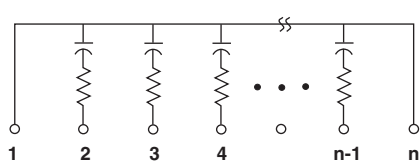
GLOBAL MODEL	PIN COUNT	SCHEMATIC	CHARACTERISTICS	RESISTANCE VALUE	RESISTANCE TOLERANCE	CAPACITANCE VALUE	CAPACITANCE TOLERANCE	TERMINAL FINISH	PACKAGING
TRC	06 to 12 pin available 06 = 6 pin 08 = 8 pin 12 = 12 pin	01 02 09	N = NP0 X = X7R	2 digit significant figure, followed by a multiplier 101 = 100 $\Omega$ 220 = 22 $\Omega$ 102 = 1 k $\Omega$	F = 1 % G = 2 % J = 5 %	(In picofarads) 2 digit significant figure, followed by a multiplier 101 = 100 pF 392 = 3000 pF 104 = 0.1 $\mu\text{F}$	K = 10 % M = 20 %	T = Sn90/Pb10 C = Sn95.5/Ag3.9/ Cu0.6	B = Bulk

Historical Part Numbering: TRC0801101J560KS10 (will continue to be accepted)

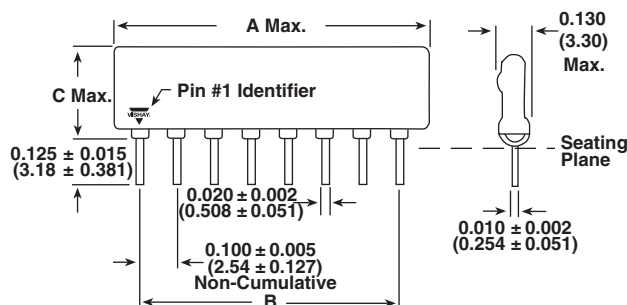
TRC	08	01	101	J	560	K	S10
HISTORICAL MODEL	PIN COUNT	SCHEMATIC	RESISTANCE VALUE	RESISTANCE TOLERANCE	CAPACITANCE VALUE	CAPACITANCE TOLERANCE	TERMINAL FINISH

## Notes

- 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**
**SCHEMATIC 01**

**SCHEMATIC 02**

**SCHEMATIC 09**

**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)

**Note**

- Other sizes available



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