

# 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 <sub>70 °C</sub> W	RESISTANCE RANGE Ω	RESISTANCE TOLERANCE <sup>(1)</sup> ± %	TEMP. COEFF. ± ppm/°C	TYPE <sup>(2)</sup>	CAPACITANCE RANGE	CAPACITANCE TOLERANCE <sup>(3)</sup> ± %	CAPACITANCE VOLTAGE V <sub>bc</sub>
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 μF	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 μF	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 μF	10, 20	

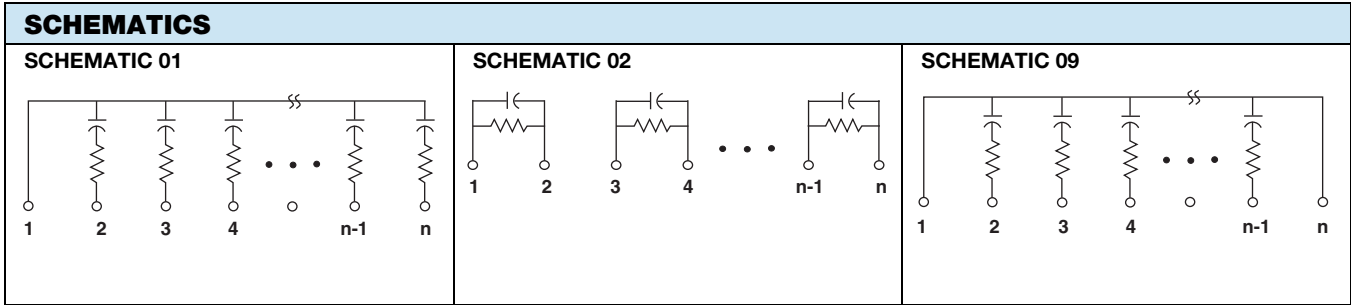
**Notes**

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

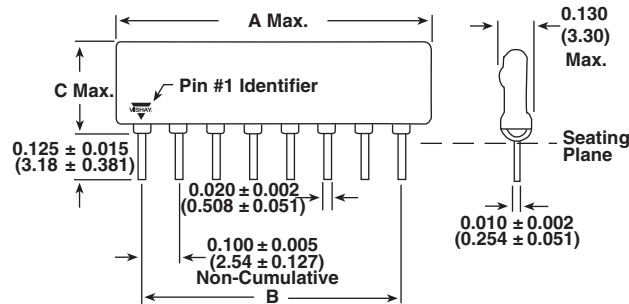
GLOBAL PART NUMBER INFORMATION																			
New Global Part Numbering: TRC0801N101J560KTB (preferred part number format)																			
	<b>T</b>	<b>R</b>	<b>C</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>1</b>	<b>N</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>J</b>	<b>5</b>	<b>6</b>	<b>0</b>	<b>K</b>	<b>T</b>	<b>B</b>	
GLOBAL MODEL	PIN COUNT	SCHEMATIC	CHARACTERISTICS	RESISTANCE VALUE	RESISTANCE TOLERANCE	CAPACITANCE VALUE	CAPACITANCE TOLERANCE	TERMINAL FINISH	PACKAGING										
<b>TRC</b>	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 Ω 220 = 22 Ω 102 = 1 kΩ	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 μF	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)																			
<b>TRC</b>	<b>08</b>	<b>01</b>	<b>101</b>	<b>J</b>	<b>560</b>	<b>K</b>	<b>S10</b>												
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)).


**Note**

- Custom schematics available

**DIMENSIONS** in inches (millimeters)


NUMBER OF PINS	<b>A</b> (Max.)	<b>B</b> ± 0.005 (0.127)	<b>C</b> (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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