Vishay Techno

TRC

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 <u>www.vishay.com/doc?99912</u>

Note

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

STANDARD ELECTRICAL SPECIFICATIONS											
MODEL	SCHEMATIC	RESISTOR CHARACTERISTICS				CAPACITOR CHARACTERISTICS					
		POWER RATING P70 °C W	RESISTANCE RANGE Ω	RESISTANCE TOLERANCE ⁽¹⁾ ± %	TEMP. COEFF. ± ppm/°C	TYPE ⁽²⁾	CAPACITANCE RANGE	CAPACITANCE TOLERANCE ⁽³⁾ ± %	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 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 1	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

 $^{(1)}$ \pm 2 % standard, \pm 1 % and \pm 5 % available

⁽²⁾ NP0 capacitors may be substituted for X7R capacitors

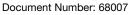
(3) Tighter tolerances available on request

GLOBAL PART NUMBER INFORMATION													
New Global Part Numbering: TRC0801N101J560KTB (preferred part number format)													
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GLOBAL MODEL	PIN COUNT	SCHEMATIC	CHARACTERISTICS	RESISTANCE VALUE	RESISTANCE TOLERANCE	CAPACITANCE VALUE	CAPACITANCE TOLERANCE	TERMINAL FINISH	PACKAGING				
TRC	06 to 12	01	N = NP0	2 digit		(In picofarads)		T =	B = Bulk				
	pin	02	X = X7R	significant	G = 2 %	2 digit	M = 20 %	Sn90/Pb10					
	available	09		figure,	J = 5 %	significant		C =					
	06 =			followed by		figure,		Sn95.5/					
6 pin				a multiplier		followed by a		Ag3.9/					
08 =				101 = 100 Ω		multiplier		Cu0.6					
8 pin				220 = 22 Ω		101 = 100 pF							
	12 =			102 = 1 kΩ		392 = 3000 pF							
	12 pin					104 = 0.1 μF							
Historical Part Numbering: TRC0801101J560KS10 (will continue to be accepted)													
TRC 08 01 10				D1 J		560			S10				
				TANCE RESISTANCE LUE TOLERANCE		CAPACITANC VALUE	E CAPACITA TOLERAN		ERMINAL FINISH				

Notes

For additional information on packaging, refer to the Through-hole Network Packaging document (<u>www.vishay.com/doc?31542</u>).

Revision: 23-Jan-13

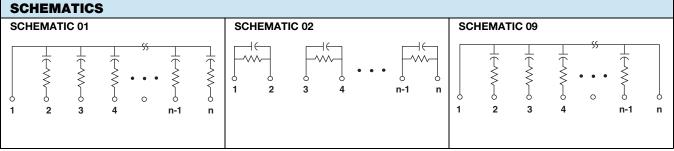


For technical questions, contact: <u>te1resistors@vishay.com</u> THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE. THE PRODUCTS DESCRIBED HEREIN AND THIS DOCUMENT ARE SUBJECT TO SPECIFIC DISCLAIMERS, SET FORTH AT <u>www.vishay.com/doc?91000</u>



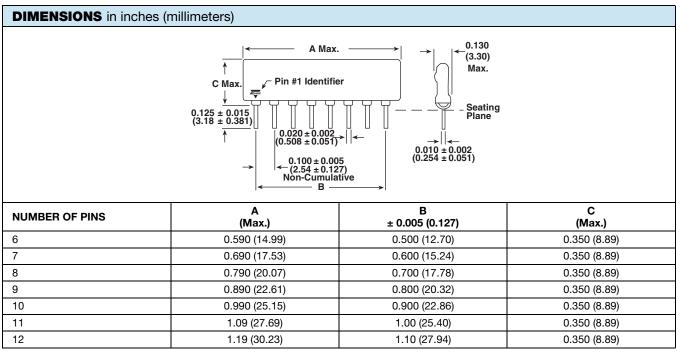


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Note

• Custom schematics available



Note

Other sizes available



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