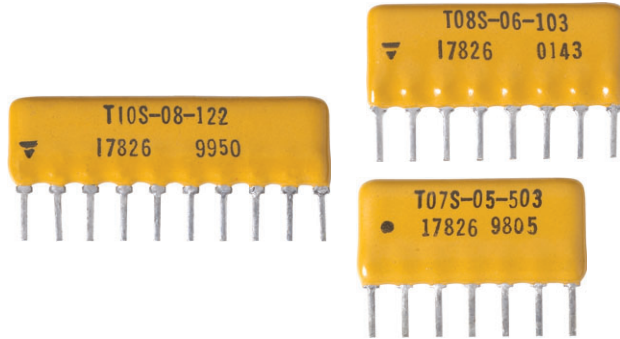


Thick Film Resistor Networks, Single-In-Line, Conformal Coated SIP



FEATURES

- 4 bit to 8 bit, R/2R ladder networks for D/A and A/D converter with bi-polar or CMOS switches
- Reduces total assembly costs
- Resistor element protected by tough epoxy conformal coating
- Thick film resistive elements
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912



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						
GLOBAL MODEL / PIN NO.	BITS	POWER RATING ELEMENT $P_{70\text{ }^\circ\text{C}}$ W	RESISTANCE RANGE ⁽¹⁾ Ω	TOLERANCE \pm %	TEMPERATURE COEFFICIENT (-55 °C to 125 °C) \pm ppm/°C	LINEARITY (-55 °C to 125 °C)
T06S	04	0.050	50 to 1M	2	100	\pm 0.5 LSB
T07S	05					
T08S	06					
T09S	07					
T10S	08					

Note

⁽¹⁾ 5K, 10K, 25K, 50K, and 100K are standard, other values available on special order

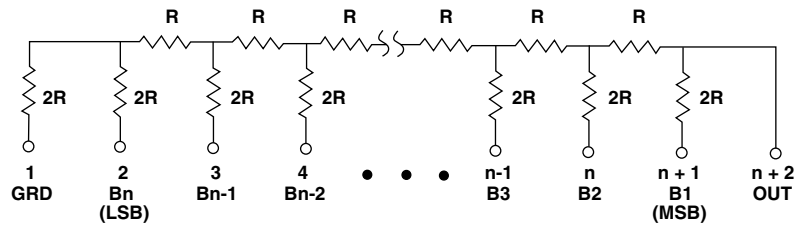
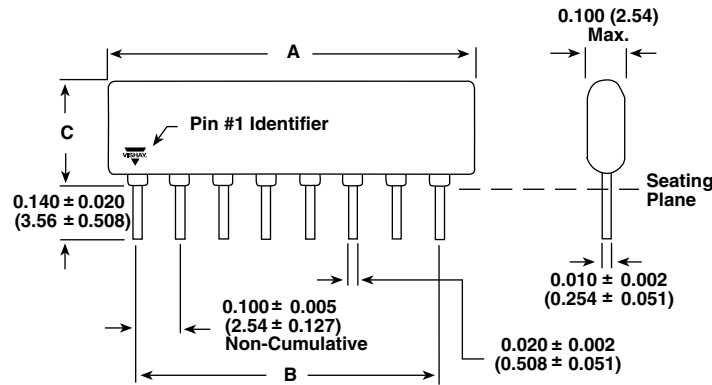
GLOBAL PART NUMBER INFORMATION				
New Global Part Numbering: T10S08100KRB (preferred part number format)				
T	1	0	S	0
0	8	1	0	0
K	R	B		
GLOBAL MODEL	NUMBER OF BITS	RESISTANCE VALUE (R)	TERMINAL FINISH	PACKAGING
T06S = 6 pins T07S = 7 pins T08S = 8 pins T09S = 9 pins T10S = 10 pins	04 = 4 bits (6 pins) 05 = 5 bits (7 pins) 06 = 6 bits (8 pins) 07 = 7 bits (9 pins) 08 = 8 bits (10 pins)	R = Ω K = k Ω M = M Ω 5K00 = 5 k Ω 5K10 = 5.1 k Ω 100K = 100 k Ω Reference schematic if R = 5 k Ω , then 2R = 10 k Ω if R = 100 k Ω , then 2R = 200 k Ω	R = Sn60/Pb40 C = Sn95.5/Ag3.9/Cu0.6	B = bulk
Historical Part Numbering: T10S08104 (will continue to be accepted)				
T10S	08	104		
HISTORICAL MODEL	NUMBER OF BITS	RESISTANCE VALUE (R)	TERMINAL FINISH	

Note

⁽¹⁾ For additional information on packaging, refer to the "Through-Hole Network Packaging" document (www.vishay.com/doc?31542)

SCHEMATIC

n Bits:
n = 4 thru 8


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)



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