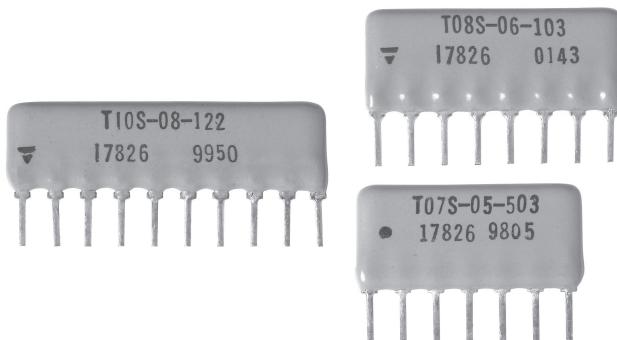


Thick Film Resistor Networks, Single-In-Line, Conformal Coated SIP



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
- Compliant to RoHS directive 2002/95/EC
- Halogen-free according to IEC 61249-2-21 definition



RoHS*
COMPLIANT
HALOGEN
FREE

STANDARD ELECTRICAL SPECIFICATIONS

GLOBAL MODEL/ PIN NO.	BITS	POWER RATING ELEMENT $P_{70\text{ °C}}$ W	STANDARD RESISTANCE VALUES ⁽¹⁾ Ω	TOLERANCE $\pm \%$	TEMPERATURE COEFFICIENT (- 55 °C to + 125 °C) $\pm \text{ppm/}^{\circ}\text{C}$	LINEARITY (- 55 °C to 125 °C)
T06S	04	0.050	5K, 10K, 25K, 50K, 100K	2	100	$\pm 0.5 \text{ LSB}$
T07S	05					
T08S	06					
T09S	07					
T10S	08					

Note

(1) Other values available on special order

GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: T10S08100KRB (preferred part number format)

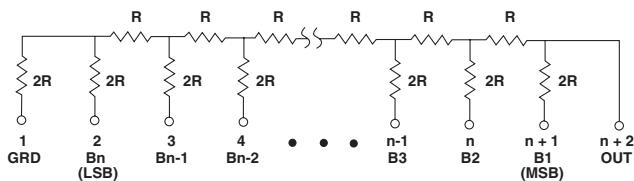
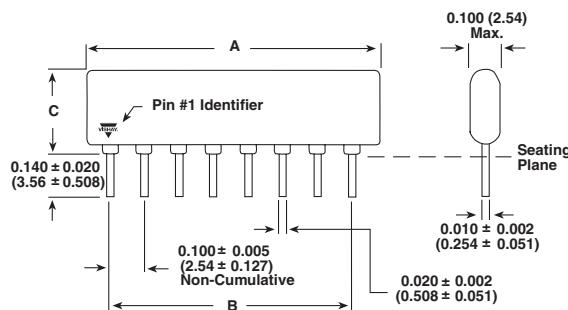
T	1	0	S	0	8	1	0	0	K	R	B
GLOBAL MODEL	NUMBER OF BITS								TERMINAL FINISH		PACKAGING
T06S = 6 pins T07S = 7 pins T08S = 8 pins T09S = 9 pins T10S = 10 pins	04 = 4 bits (6 pins) 05 = 5 bits (7 pins) 06 = 6 bits (8 pins) 07 = 7 bits (9 pins) 08 = 8 bits (10 pins)							R = Sn60/Pb40 C = Sn95.5/Ag3.9/Cu0.6		B = Bulk	

Reference schematic
if $R = 5 \text{ k}\Omega$, then $2R = 10 \text{ k}\Omega$
if $R = 100 \text{ k}\Omega$, then $2R = 200 \text{ k}\Omega$

Historical Part Numbering: T10S08104 (will continue to be accepted)

T10S	08	104	
HISTORICAL MODEL	NUMBER OF BITS	RESISTANCE VALUE [R]	TERMINAL FINISH

* Pb containing terminations are not RoHS compliant, exemptions may apply

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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