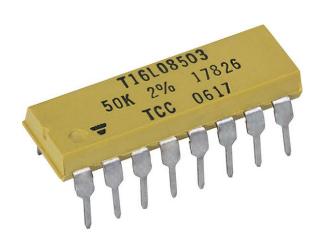


Thick Film Resistor Networks, Dual-In-Line, Molded DIP



FEATURES

 8 bit, R/2R ladder networks for D/A and A/D converter with bi-polar or CMOS switches



- 0.190" (4.83 mm) maximum seated height
- Rugged, molded case construction
- TILL CILL IN I
- · Thick film resistive elements
- Low temperature coefficient (-55 °C to 125 °C)
 ± 100 ppm/°C
- Reduces total assembly costs
- · Compatible with automatic inserting equipment
- Material categorization: for definitions of compliance please see <u>www.vishay.com/doc?99912</u>

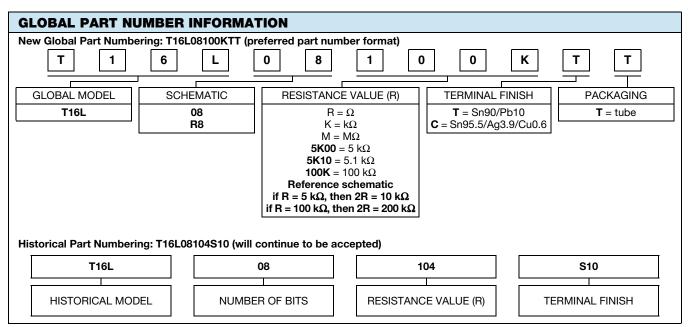
Note

* 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	SCHEMATIC	POWER RATING ELEMENT P _{70 °C} W	POWER RATING PACKAGE P _{70 °C} W	RESISTANCE RANGE ⁽¹⁾ Ω	TOLERANCE ± %	TEMPERATURE COEFFICIENT (0 °C to 70 °C) ± ppm/°C	LINEARITY (0 °C to 70 °C)
T16L	08 R8	0.050	1.8	50 to 1M	2	100	± 0.5 LSB

Note

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



Note

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

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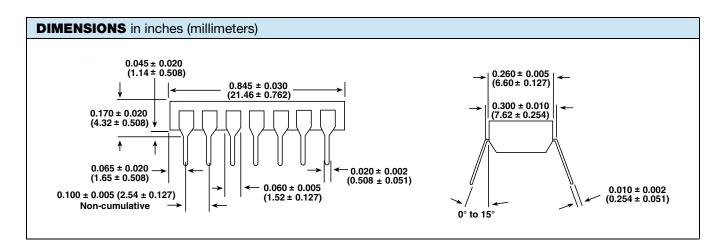


www.vishay.com

SCHEMATICS T16L08 13 O R6 = R R8 = R R10 = R R12 = R R14 = R < R16 = 2RR2 = R R4 = R \le R1 = 2R \le R3 = 2R \le R5 = 2R \le R7 = 2R \le R9 = 2R \le R11 = 2R \le R13 = 2R \le R15 = 2R T16LR8 10 R14 = R R16 = 2R R2 = R R4 = R R6 = R R8 = R R10 = R R12 = R

RATIO MATCH TOLERANCE

 $R1/R2 = 2 \% \pm 1 \%$ $R1/R3 = 1 \% \pm 1 \%$ $R1/R4 = 2 \% \pm 1 \%$ $R1/R5 = 1 \% \pm 1 \%$ $R1/R6 = 2 \% \pm 1 \%$ $R1/R7 = 1 \% \pm 1 \%$ $R1/R8 = 2 \% \pm 1 \%$ $R9/R10 = 2 \% \pm 0.5 \%$ $R11/R12 = 2 \% \pm 0.4 \%$ $R15/R13 = 1 \% \pm 0.2 \%$ $R15/R14 = 2 \% \pm 0.2 \%$





Legal Disclaimer Notice

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