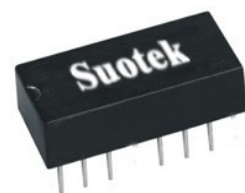


10/100 BASE-T TRANSFORMER

Dual through hole, 1500Vrms



- 1) Designed for 10/100 MB/s transmission over UTP-5 cable
- 2) Tested & qualified for use with National semiconductor's DP83840 Ethernet 10/100 PHY chip .
- 3) Cable interface for isolation and low Common Mode Emissions .
- 4) 16-Pin Dip package for ECONOMIC COST .



Electrical Specifications @ 25°C --- Operating temperature 0°C To 70°C .

Part Number : TH16-1012

Electrical Specifications :

1) Turn Ratio : 1CT : 1CT	5) Cross Talk : -40dB min. @ 0.1MHz ~ 60MHz
2) Insertion Loss : - 1.1dB max.@ 0.1 ~ 100MHz .	-38dB min. @ 60MHz ~ 100MHz
3) Rise Time : 2.5 ns (ns Typ) (10%~90%)	6) Differential to Common Mode Rejection :
4) Return Loss : -20dB min. @ 0.1MHz ~ 10MHz	0.1MHz ~ 60MHz : -42 dB min. (TX)
-19dB min. @ 10MHz ~ 30MHz	-40 dB min. (RX)
-14dB min. @ 30MHz ~ 60MHz	60MHz ~ 100MHz : -40 dB min. (TX)
-12dB min. @ 60MHz ~ 100MHz	-35 dB min. (RX)
	7) Voltage isolation : 1500 Vrms min.

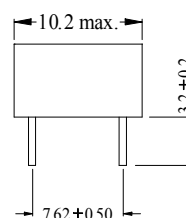
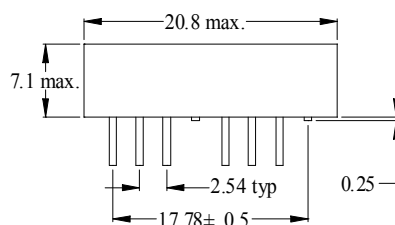
Mechanical Dimensions (Unit: mm)

Suotek

TH16-1012

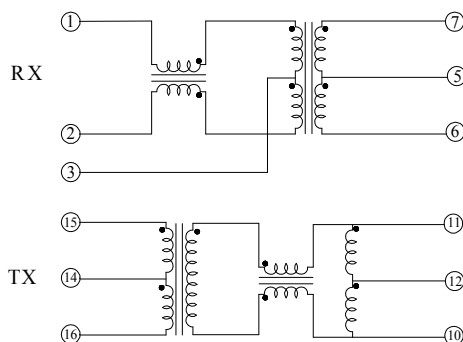
Date Code

PIN 4,8,9,13 CUT OFF



Notes : Leads are 24 AWG solderable (Unused pins not provided)

Schematics



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