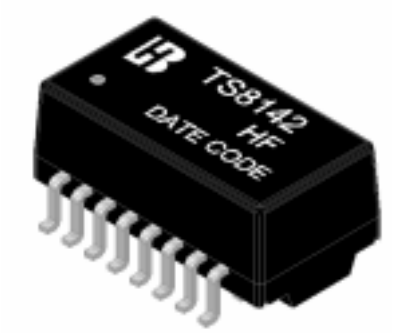
10/100 BASE-TX TRANSFORMER MODULES
P/N: TS8142 HF DATE SHEET

BOTHHAND USA

Feature

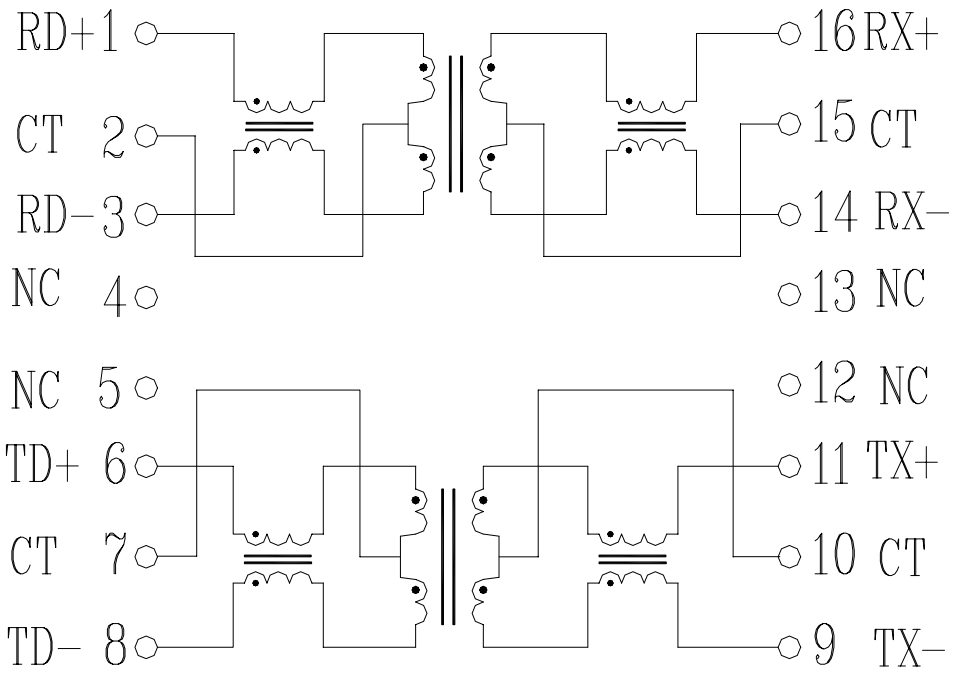


- Designed to meet IEEE 802.3u requirement including 350uH OCL with 8mA bias.
- Comply with ROHS & Halogen Free requirements.
- Operating temperature range: 0℃ to +70℃.
- Storage temperature range: -25℃ to +85℃.

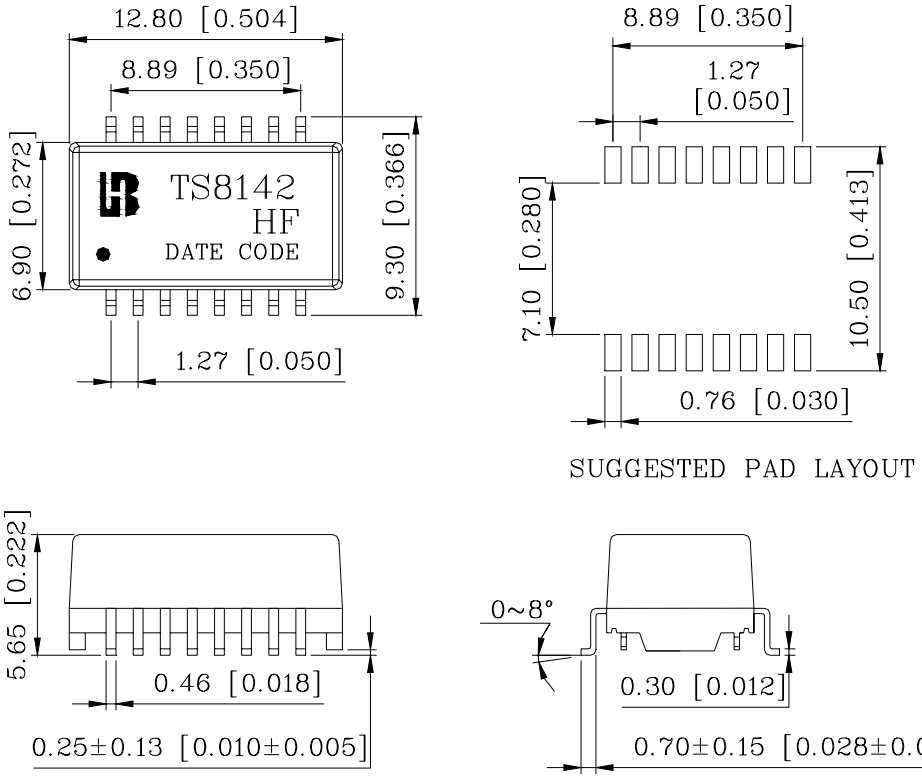
Electrical Specifications @ 25°C					
Part Number	Turns Ratio (±5%)		OCL (uH Min) @ 100KHz/0.1V with 8mA DC Bias	DCR (Ω Max)	HI-POT (Vrms)
	1-3:16-14	6-8:11-9		1-3/6-8/16-14/11-9	
TS8142 HF	1CT:1CT	1CT:1CT	350	1.1	1500

Continue										
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)				Cross talk (dB Min)		DCMR (dB Min)		
	0.3-100 MHz	0.3-30MHz	40MHz	50MHz	60-80MHz	0.3-60MHz	60-100MHz	30MHz	60MHz	100MHz
TS8142 HF	-1.1	-18	-15.5	-13	-12	-45	-35	-40	-35	-30

Schematic



Mechanical



Units: mm[Inches] Tolerances: xx.x0±0.25[0.010]
0.xx±0.05[0.002]