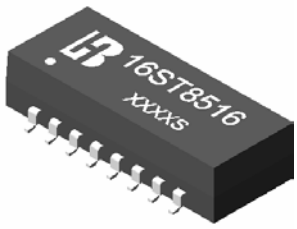
Bothhand USA. **e-mail: sales@bothhandusa.com http://www.bothhandusa.com**

10/100 BASE-T SINGLE PORT TRANSFORMER MODULES

P/N: 16ST8516 DATA SHEET

Feature



- Meet all IEEE802.3 standards including 350uH OCL with 8mA Bias.
- IC grade transfer-molded package withstands 235• IR flow.
- Patented interlock base construction for high reliability.
- Operating temperature range:0°C to +70°C.
- Storage temperature range:-25°C to +125°C.

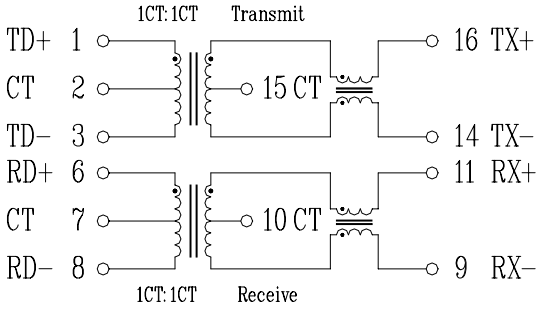
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		OCL(uH Min) @100KHz/0.1Vrms with 8mA/DC Bias	CW/W (pF Max)	L.L (uH Max)	Rise Time 10-90% (nS TYP)	Isolation Voltage (Vrms)
	RX	TX					
16ST8516	1CT:1CT	1CT:1CT	350	28	0.6	2.5	1500

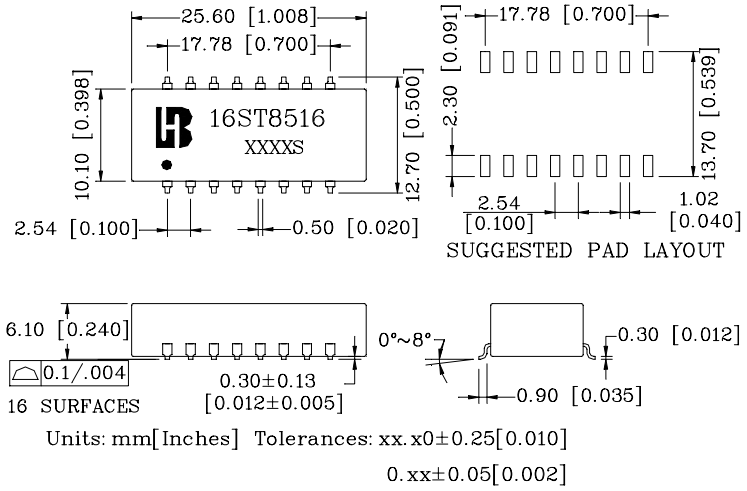
Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)					Cross talk (dB Min)		DCMR TX/RX(dB Min)		
	0.3-100 MHz	30MHz	40MHz	50MHz	60MHz	80MHz	0.3-60MHz	60-100MHz	30MHz	60MHz	100MHz
16ST8516	-1.15	-16	-14	-13.5	-13	-12	-45	-35	-40	-30	-25

Schematic



Mechanical



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