

**HIGH SPEED LAN MAGNETICS**

**P/N: 16ST8517-1 DATA SHEET**

**Feature**



- Designed for 100MB/s and 155MB/s transmission over UTP-5 and STP cable.
- Cable interface for isolation and low common mode emissions.
- Fully integrated modules for multiport concentrators and Adapter card applications.
- 16-PIN SMD Package •pick and place compatible.
- 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	LL (uH Max)	C <sub>WW</sub> (pF Max)	DCR (Ω Max)	HI-POT (Vrms)			
	RX	TX								
16ST8517-1	1CT:1CT	1CT:1	350	0.6	28	0.9	1500			
Continue										
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)					Cross talk (dB Min)			
		0.3-100 MHz	0.3-30MHz	40MHz	50MHz	60MHz	60-80MHz	0.3-60MHz	60-100MHz	
16ST8517-1	-1.15	-16	-14	-13.5	-13	-12	-45	-35		

**Schematic**

**Mechanical**

