

100 BASE-TX TRANSFORMER

P/N:16ST8517 DATA SHEET

Feature



- Designed for 100MB/s and 155 MB/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.
- Storage temperature range: -25°C to +125°C.
- Operating Temperature range: 0°C to +70°C.

Electrical Specifications @ 25°C												
Part Number	Turns Ratio		OCL 100KHz/0.1Vrms with 8mA/DC Bias TX&RX (µH Min)				CW/W TX&RX (pF Max)		L.L TX&RX (uH Max)		Voltage Isolation (Vrms)	
	TX	RX							Rise Time 10-90% (nS TYP)			
16ST8517	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
16ST8517	-1.15	-16	-14	-13.5	-13	-12	-45	-35	-42/-42	-38/-36	-35/-32	

Schematic

Mechanical

