

10/100 BASE-TX TRANSFORMER

P/N:16ST8517B DATA SHEET

Feature



- Designed for 10 MB/s and 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 multi-port 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		OCL		C _{WW}	L.L	Rise Time	HI-POT	
	TX	RX	100KHz/0.1Vrms with 8mA DC Bias (µH Min) TX&RX		(pF Max) TX&RX	(uH Max) TX&RX	10-90% (nS TYP)	(Vrms)	
16ST8517B	1CT:1CT	1CT:1CT	350		28	0.4	2.5	1500	
Continue									
Part Number	Insertion Loss	Return Loss			Cross talk		DCMR		
	(dB Max)	(dB Min)			(dB Min)		TX/RX(dB Min)		
	0.1 - 100 MHz	0.1-40MHz	50MHz	60-80MHz	0.3-60MHz	60-100 MHz	30MHz	60MHz	100MHz
16ST8517B	-1.1	-15.5	-13.6	-10	-45	-35	-42/-40	-35/-30	-28/-25

Schematic

Mechanical

