

10/100 BASE-T TRANSFORMER

P/N:16ST8515-3 DATA SHEET

Feature



- Designed for 10/100 MB/s transmission over UTP-5 cable.
- Cable interface for isolation and low common mode Emissions.
- 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 (±5%)		OCL (uH Min) @ 100KHz/0.1Vrms with 8mA/DC Bias				CWW (pF Max)	L.L (uH Max)	Rise Time (10-90%) nS TYP	Voltage Isolation (Vrms)		
	TX	RX										
16ST8515-3	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)		Differential to Common Mode Rejection TX/RX(dB Min)		
		0.3-100 MHz	30MHz	40MHz	50MHz	60MHz	80MHz	0.3-60MHz	60-100MHz	30MHz	60MHz	100MHz
16ST8515-3	-1.15	-16	-14	-13.5	-13	-12	-40	-30	-42/-42	-38/-36	-35/-32	

Schematic

Mechanical

