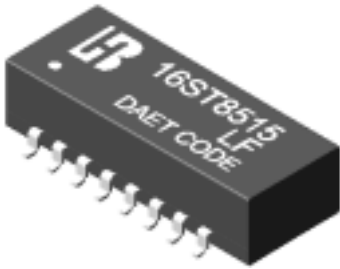




10/100 BASE-T TRANSFORMER

P/N:16ST8515 LF DATA SHEET

Feature



- Designed for 10/100 MB/s transmission over UTP-5 cable.
- Cable interface for isolation and low common mode Emissions.
- Lead free for external pins.
- 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/0.1V with 8mA DC Bias	C _{w/w} (pF Max)	L.L (uH Max)	Rise Time 10-90% (nS Typ)	HI-POT (Vrms)
	TX	RX					
16ST8515 LF	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)		
		0.3-100MHz	30MHz	40MHz	50MHz	60MHz	80MHz	0.3-60MHz	60-100MHz	30MHz	60MHz	100MHz
16ST8515 LF	-1.15	-16	-14	-13.5	-13	-12	-45	-35	-42/-40	-35/-30	-28/-25	

Schematic

Mechanical

