

10/100 BASE-T TRANSFORMER

P/N:16ST8520X DATA SHEET

Feature



- Designed for 10/100 MB/s transmission over UTP-5 cable.
- Tested & qualified for use with national semiconductor's DP83840 Ethernet 10/100 PHY chip.
- Cable interface for isolation and low common mode emissions.
- 16-PIN SMD package for economic cost.
- 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 _{www} (pF Max)	L.L (uH Max)	DCR (Ω Max)	HI-POT (Vrms)			
	TX	RX								
16ST8520X	1CT:1CT	1CT:1CT	350	50	0.6	0.9	1500			
Continue										
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)				Cross talk (dB Min)		DCMR (dB Min)TX/RX		
		0.3-100MHz	30MHz	40MHz	50MHz	60-80MHz	0.3-60MHz	60-100MHz	30MHz	60MHz
16ST8520X	-1.1	-16	-15	-13	-11	-45	-35	-40	-30	-25

Schematic

Mechanical

