

10/100 BASE-T ETHRNET ISOLATION TRANSFORMER

P/N:16ST6149B DATA SHEET

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Feature



- 16 PIN, SMD Package with common choke to Meet 100 MB /S specification.
- Low leakage inductance and winding capacitances for fast rise time.
- More Economical than discrete transformers.
- High isolation voltages to comply with international safety requirements for LANS.
- RX (PIN6-PIN-7) also with common choke.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +125°C.
- HI-POT text:2000Vrms.

Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		Pri OCL (uH Min) @ 100KHz/0.1Vrms with 8mA/DC Bias	CW/W (pF Max)	L.L (uH Max) @1MHz	DCR (Ω Max)		
	TX	RX				1-2	16-15	(6-7)= (10-11)
16ST6149B	1.4CT:1CT	1CT:1CT	350	25	0.5	0.5	0.7	1.7

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	0.3-50MKHz	50-100MKHz
16ST6149B	-1.0	-16	-14	-13.5	-13	-12	-45	-35	-40	-30

Schematic

Mechanical

