

SINGLE RJ45 CONNECTOR MODULE WITH INTEGRATED 10/100 BASE-TX MAGNETICS

P/N: PLU1S041-43

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Feature



- RJ-45 connector integrated with transformer/impedance resistor/high voltage capacitor.
- Size same as RJ-45 connector to save PCB board space.
- Reduce EMI radiation improve EMI performance.
- Design for 10/100 BASE transmission over UTP-5 cable.
- 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) @ 100 KHz/0.1V with 8mA DC Bias	C _{WV} (pF Max)	L.L (uH Max)	Rise Time 10-90% (nS Typ)	Insertion Loss (dB Max) 0.3-100MHz	HI-POT (Vrms)
	TX	RX						
PLU1S041-43	1CT:1CT	1CT:1CT	350	28	0.4	2.5	-1.15	1500

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Part Number	Return Loss (dB Min)					Cross talk (dB Min)			CMR (dB Min)		
	30MHz	40MHz	50MHz	60MHz	80MHz	0.3-30MHz	30-60MHz	60-100MHz	1-30MHz	30-60MHz	60-125MHz
PLU1S041-43	-16	-14	-13.5	-13	-10	-40	-35	-30	-30	-25	-20

Schematic

Block Circuit x 1 set in PLU1S041-43



