LU1T125H

Bothhandusa.com

"LAN-MATE" SERIES

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

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Feature

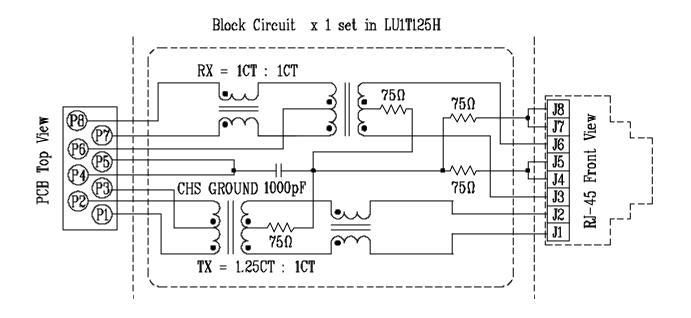


- RJ-45 connector integrated with transformer/impedance resistor/high voltage capacitor.
- Size same as RJ-45 connector to save PCB board space.
- Reduced EMI radiation to improve EMI performance.
- Design for 10/100 BASE transmission over UTP-5 cable.
- Operating temperature range: 0 to +70
- Storage temperature range: -25 to +125 .

	Electrical Specifications @ 25°C												
Part Number	Turns Ratio		OCL (uH Min)	Insertion Loss	HI-POT								
	(±5%)		@ 100KHz/0.1V	(dB Max)	,								
	TX	RX	with 8mA DC Bias	0.3-100MHz	(Vrms)								
LU1T125H	1.25CT:1CT	1CT:1CT	350	-1.15	1500								

Continue													
Part Number	Return Loss (dB Min)				Cross talk (dB Min)		CMR (dB Min) TX/RX						
	30MHz	40MHz	50MHz	60MHz	80MHz	0.3-30MHz	30-60MHz	60-100MHz	1-30MHz	30-60MHz	60-125MHz		
LU1T125H	-16	-14	-13.5	-13	-10	-40	-35	-30	-30	-25	-20		

Schematic







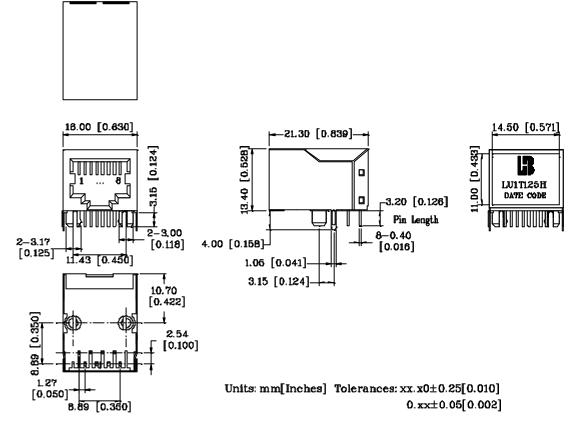
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Mechanical



1. Plastic Material : Thermoplastic (UL 94V-0), Black Housing

2. Metal Shield : Brass, 20u" inches thick Nickel

3. Spring Wire : Phosphor bronze with selective gold plating4. Solder Pin : 0.4x0.4mm, Phosphor bronze with solder Plated

5. Durability : 750 Mating cycles Min.

PCB Layout Mounting Hole(Top View)

