



50 PIN DIP ETHERNET 10/100 BASE-TX HIGH
SPEED LAN MAGNETICS

Bothhandusa.com

P/N: 50PT1051AX LF DATA SHEET

Feature



- Compliant with IEEE 802.3 E and ANSI X3.263 standards including 350uH OCL with 8mA Bias.
- Symmetrical TX and RX channels for Auto MDI/MDIX capability.
- Lead free for external pins.
- Operating temperature range : 0°C to +70°C.
- Storage temperature range: -25°C to +105°C.

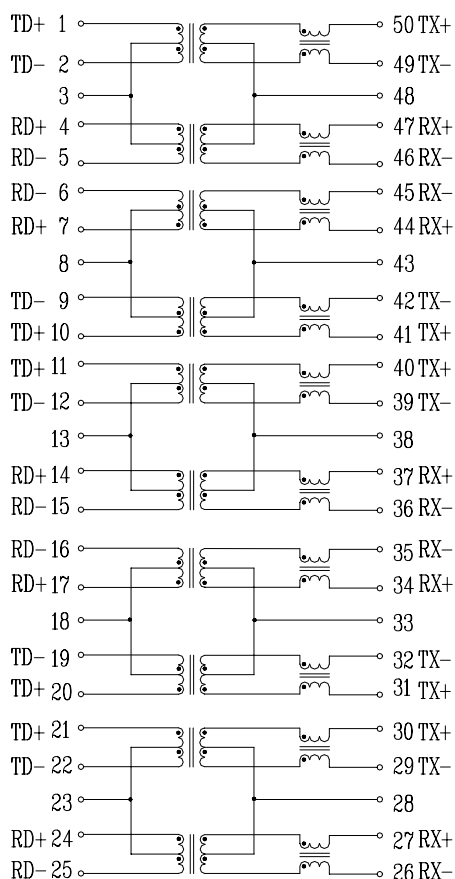
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		OCL(uH Min) @100KHz/0.1V 8mA DC Bias	L.L (uH Max)	C _{w/w} (pF Max)	Rise Time (nS Typ)	HI-POT (Vrms)
	TX	RX					
50PT1051AX LF	1CT:1CT	1CT:1CT	350	0.4	56	3.0	1500

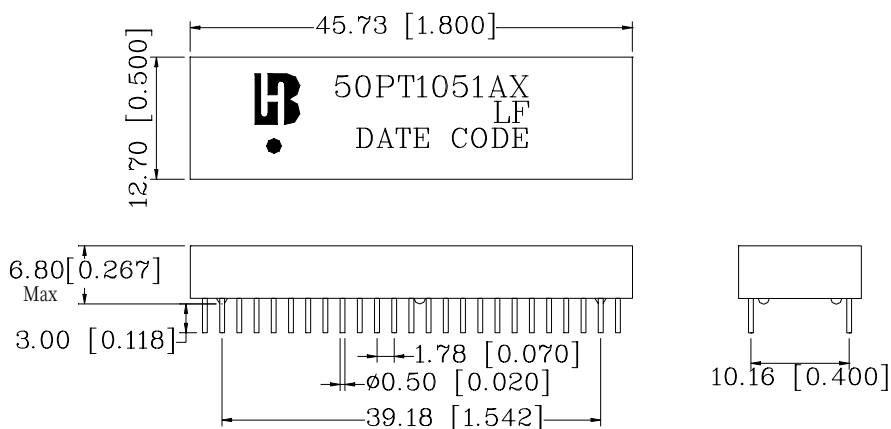
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Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)				Cross talk (dB Min)	DCMR (dB Min)
	0.3-100MHz	0.3-30MHz	30-60MHz	60-80MHz	0.3-100MHz	0.3-100MHz	0.3-100MHz
50PT1051AX LF	-1.15	-16	-12	-10	-35	-30	-30

Schematic



Mechanical



Units: mm[Inches] Tolerance: xx.x0±0.25[0.010]
0.xx±0.05[0.002]