40 PIN SMD ETHERNET 10/100 BASE-TX TWO PORT TRANSFORMER

P/N: 40ST1023 DATA SHEET

Feature



- IEEE 802.3 Ethernet compatible, 100 BASE-TX.
- Surface mountable.
- Design for multiport repeater and Ethernet switching Hub application.
- Customer designs available for specific application.
- Operating temperature range : 0°C to +70°C.
- Storage temperature range: -25°C to +125°C.

Electrical Specifications @ 25°C

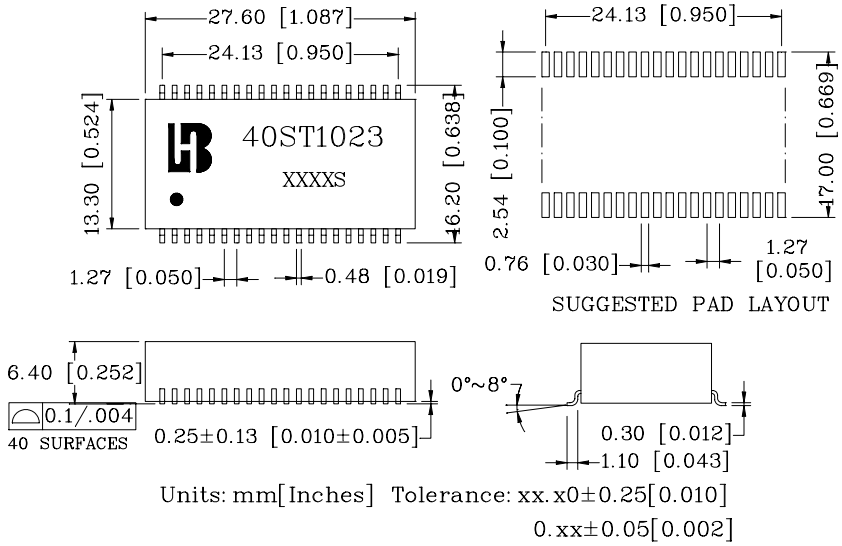
Part Number	Turns Ratio (±5%)		OCL(•H Min) @100HKz/0.1Vrms with 8mA DC Bias	CMR (dB Min)	Rise Time (ns TYP)	HI-POT (Vrms)
	TX	RX		0.3-60MHz		
40ST1023	1CT:1CT	1:1	350	-30	2.5	1500

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			Cross Talk (dB Min)				DCMR (dB Min)	
	0.3-100MHz	0.3-30 MHz	30-60 MHz	60-80 MHz	1 MHz	30 MHz	60 MHz	100 MHz	1-60MHz	60-200 MHz
40ST1023	-1.15	-16	-12	-10	-65	-50	-40	-30	-37	-25

Schematic

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Mechanical


27.60 [1.087]
24.13 [0.950]
40ST1023
XXXXS
13.30 [0.524]
16.20 [0.638]
1.27 [0.050]
0.48 [0.019]
24.13 [0.950]
2.54 [0.100]
17.00 [0.669]
0.76 [0.030]
1.27 [0.050]
SUGGESTED PAD LAYOUT
6.40 [0.252]
0.1/.004
40 SURFACES
0.25±0.13 [0.010±0.005]
0°~8°
0.30 [0.012]
1.10 [0.043]
Units: mm[Inches] Tolerance: xx.x0±0.25[0.010]
0.xx±0.05[0.002]