

**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.

<b>Electrical Specifications @ 25°C</b>											
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**

