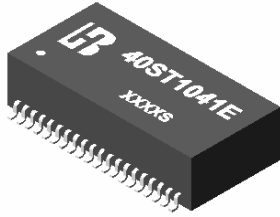


**40 PIN SMD ETHERNET 10/100 BASE QUAD PORT TRANSFORMER**

**P/N: 40ST1041E 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( μ H Min) @100KHz/0.1Vrms 8mA DC/Bias	L.L ( μ H Max)	Cw/w (pF Max)	Isolation voltage (Vrms)	Rise Time (nS Typ)
	TX	RX					
40ST1041E	1CT:1CT	1:1	350	0.4	28	1500	2.5

**Continue**

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		1-60 MHz	60-200 MHz
40ST1041E	-1.15	-16	-12	-10	-38	-37	-25	

**Schematic**

**Mechanical**

