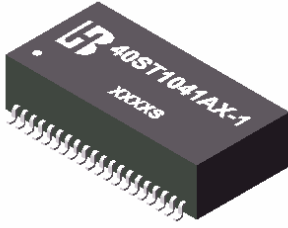


**40 PIN SMD ETHERNET 100 BASE –TX HIGH SPEED LAN MAGNETICS**

**P/N: 40ST1041AX-1 DATA SHEET**

**Feature**



- Symmetrical TX and RX channels for auto MD1/MD1X capability .
- Compliant with IEEE 802.3u standards including 350μH OCL with 8mA bias .
- Designed for reflow soldering at temperatures up to 235°C
- 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)	C <sub>WW</sub> (pF Max)	HI-POT (Vrms)	Rise Time (nS Typ)
	TX	RX					
40ST1041AX-1	1CT:1CT	1CT:1CT	350	0.4	56	1500	3.0

**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	0.3-60MHz	60-100MHz	60MHz	100MHz
40ST1041AX-1	-1.15	-16	-12	-10	-45	-35	-37	-28	-25

**Schematic**

**Mechanical**

