

# 10/100 Mbase-TX Quad Port SMD Transformers

**MODEL NO.: FT40-801S、 FT40-802S、 FT40-803S、 FT40-804S、 FT40-841S、 FT40-851S、 FT40-861S**

**Transformer for Broadcom BCM5316/5318、 Marvell's 88E3061/3081/6050、 Atan AT8985P AT8989P、 Kendin KS8995E KS8997、 Lever OneLXT9785 IC Plus IP175A 178A Chip-set**

Symmetrical TX and RX channels for Auto MDI/MDIX capability

**Feature:**

Meets all IEEE802.3 and ANSI X3.263 Standards

Operating Temperature 0°C To +70°C

Storage Temperature -25°C To +125°C

SMD Environmental: Designed to meet IR 225°C 1 minute

**Specifications: AT25°C.**

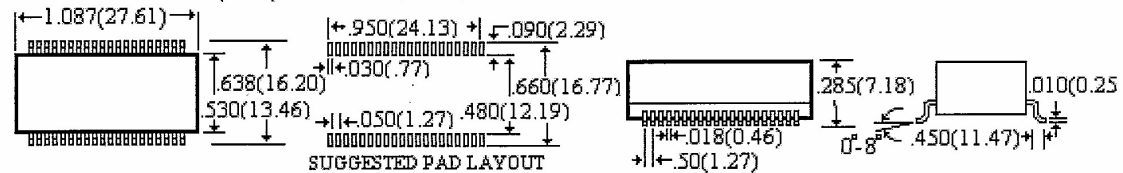
Primary inductance(LP) 350  $\mu$  H Min (100KHz ,100mV ,8mA)

Leakage inductance(LL) 0.3  $\mu$  H Max (100KHz ,100mV)

Primary Capacitance(C<sub>ww</sub>) 25.OPF Max(1MHz , 500mV)

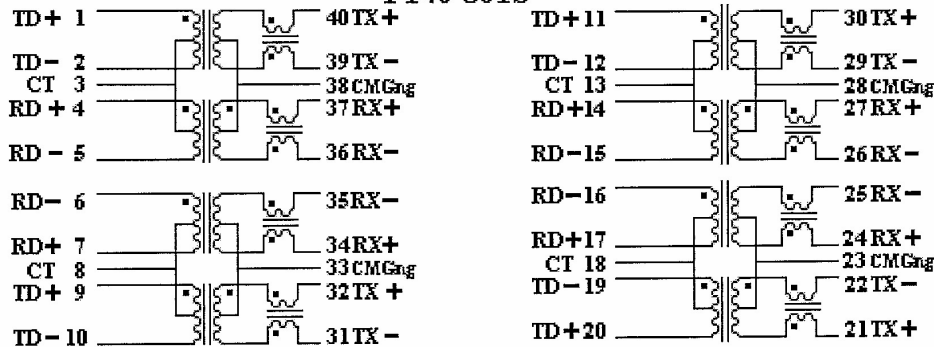
Part Number	Transformer Turns ratio ( $\pm 2\%$ )		Insertion Loss (dB TYP) 1-100MHz	Crosstalk (dB TYP)				Return loss (dB MIN)		Common Mode Rejection (dB MIN)		Hipot VAC
	Receive	Transmit		1MHz	30MHz	60MHz	100MHz	5 to 100 Mhz 1-60MHz	60-100MHz	1-60	60-100	
FT40-801S	1:1	1CT:1CT	-1.0	-55	-45	-40	-33	-18	-12	-37	-35	1500
FT40-802S	1:1	1CT:1CT	-1.0	-55	-45	-40	-33	-18	-12	-37	-35	1500
FT40-803S	1:1	1.41CT:1CT	-1.0	-55	-45	-40	-33	-18	-12	-37	-35	1500
FT40-804S	1:1	2CT:1CT	-1.0	-55	-45	-40	-33	-18	-12	-37	-35	1500
FT40-841S	1:1	1CT:1CT	-1.0	-55	-45	-40	-33	-18	-12	-37	-35	1500
FT40-851S	1:1	1CT:1CT	-1.0	-55	-45	-40	-33	-18	-12	-37	-35	1500
FT40-861S	1:1	1.25CT:1CT	-1.0	-55	-45	-40	-33	-18	-12	-37	-35	1500

**Dimension: inch(mm) +/- 0.010(0.25)**



1. PACKAGE BLACK PLASTIC SELF-EXTINGUISHING PER UL94V-0.
2. LEAD SOLDER ABILITY PER MIL-STD-202, METHOD 208. NOTES: UNLESS OTHERWISE SPECIFIED.

**FT40-801S**



Transmit 1:1 Receive 1:1 TX and RX Channels for auto MDI/MDIX capability