

10/100BASE-T

QUAD PORT TRANSFORMER

Electrical Specifications:@25°C

IC Grade Transfer-Molded Package withstand 235°C IR Reflow

Matched with Broadcom BCM5226 and Level One LXT9784

Turn Ratio: PRI/SEC TX 1CT:1CT ±3% RX 1CT:1CT ±3%

Isolation Voltage: 1500Vrms (Input to Output)

OCL: 350uH Minimum @100KHz,100mV 8mADC

Leakage Inductance: 0.4uH Maximum @100KHz 100mV PRI Shorted

PRI/SEC Cw/w: 20pF Typical @100KHz 100mV

Primary DCR: 0.60 Ohms Max, Secondary DCR:0.8 Ohms Max

Rise Time: 2.5ns Typical

Insertion Loss: -1.0dB maximum @100KHz - 100MHz

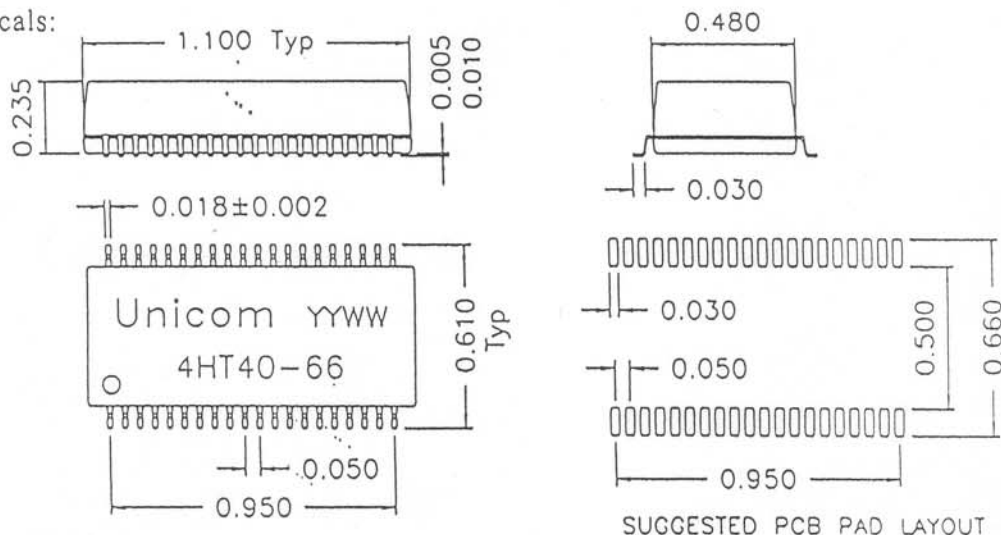
Return Loss: -18dB Min @1MHz-30MHz / -18-20 LOG(f/30,HZ) @30MHz-60MHz

-12dB Min @60MHz - 80MHz

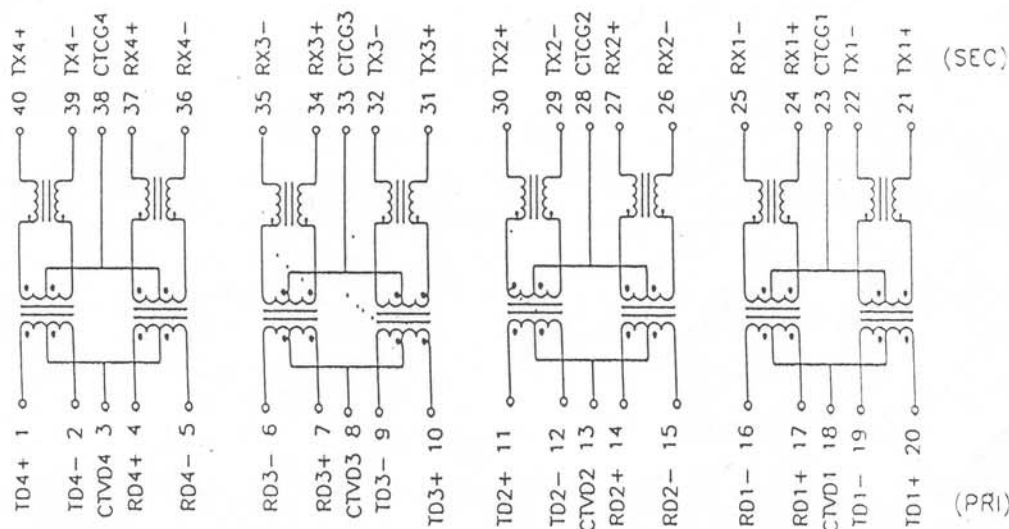
CROSS TALK: -32dB Minimum @100KHz-100MHz

CMRR: -40dB Minimum @100KHz - 100MHz

Mechanicals:



Schematics:



*Specification Subject to Change Without Notice

P/N: 4HT40-66	DIMENSIONS IN INCH SCALE: NONE	Unless otherwise specified Dim. Tolerances are: .xxx ±0.010	REV: A PAGE:1/1	DRWN: DATE 01-04-07 APPD: DATE
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