

PN/:40ST1041G DATA SHEET

1.IEEE 802.3 ETHERNET COMPATIBLE, 100 BASE-TX

3.DESIGN FOR MULTIPORT REPEATER AND ETHERNET SWITCHING HUB APPLICATION

4.CUSTOMER DESIGNS AVAILABLE FOR SPECIFIC APPLICATION

1.ISOLATION HI-POT: 1500 Vrms (PRI. /SEC.)

2.TURN RATIO ($\pm 5\%$): TX=1CT: 1CT, RX=1:1

3. RISE TIME: 0.25 ns TYP

4.CW/W: 28pF MAX

5. LEAKAGE INDUCTANCE TX=0.4uH Max

6.PRIMARY INDUCTANCE L_p : 350uH min @100KHz/100mVrms, 8mA/dc

7.CMRR (0.1-100 MHz): -40dB Min

8.CROSSTALKS (0.1 TO 100MHz): -38dB Min

9.RETURN LOSS: 5-30 MHz 30-60 MHz 60- 80 MHz

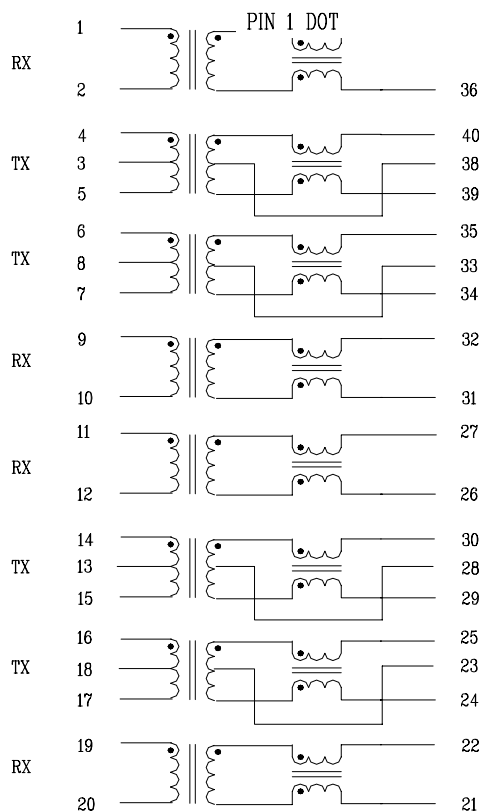
-16dB -12dB -10 dB (Min)

10.OCL (uH,Min):350 uH, at 8mA DC FROM 0-70°C

11.DCR: 0.9 Max

12.INSERTION LOSS (1-100 MHz): -1.15dB Max

LB 40ST1041G
DATE CODE



Suggest pad layout

TOLERANCE: ± 0.25