

PN/:40ST1042-1 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.INSULATION RESISTANCE: 10,000 MOHM.

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

4.PRI. /SEC. C_w/w (pF TYP): 30

5.LEAKAGE INDUCTANCE: TX: 1.3 uH, RX: 0.5 uH Max

6.PRI.DCR (OHM Max): TX=0.9, RX=0.9

7.CROSSTALKS (dB Min): -38 AT 1MHz-100 MHz

8.CMRR (dBMin): -40 AT 1MHz-100 MHz

9.OCL (uH,Min): 350 at 8mA/dc FORM 0-7 C

10.RETURN LOSS: 0.5-30 40 50 60-80 (MHz)

-18 -15.5 -13.6 -12 (dB Min)

11.INSERTION LOSS: -1.1dB Max @ 1-100MHz

LB 40ST1042-1
DATE CODE

Technical drawing of a rectangular component with dimensions and tolerances:

- Top horizontal dimension: 27.7Max
- Left vertical dimension: 13.4 ± 0.25
- Bottom horizontal dimension: 1.27 ± 0.10
- Right vertical dimension: 7.62Max
- Bottom-left horizontal dimension: 0.17 ± 0.10

 15.98 ± 0.50

A diagram of a rectangular box. Above the box, there is a horizontal dimension line with arrows at both ends, indicating the width of the box.

Suggest pad layout

TOLERANCE: ± 0.25 