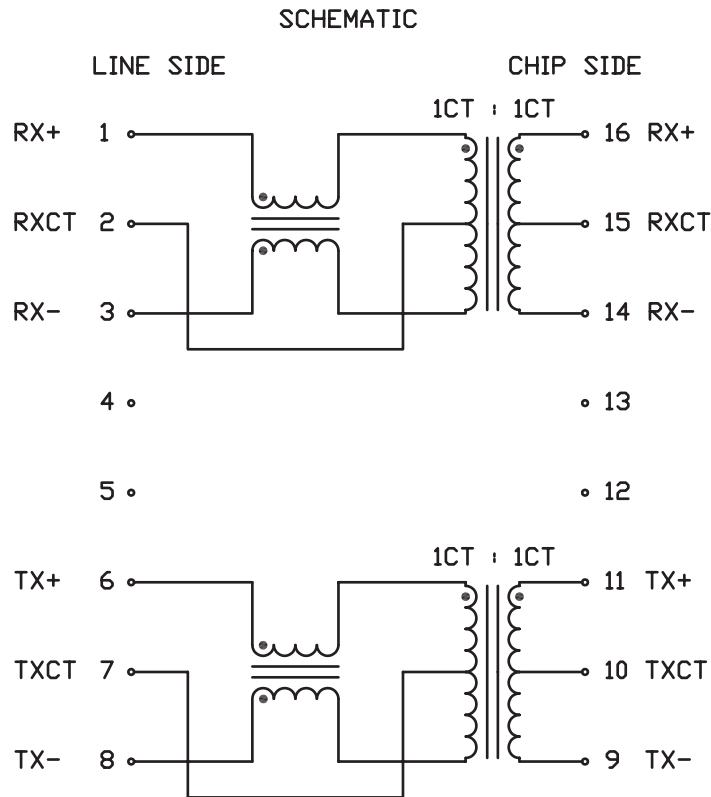


10/100BASE-T LAN MAGNETICS

S558-5999-T7-F Single Port Transformer Module



ELECTRICAL CHARACTERISTICS @25°C



URNS RATIO

PIN 1-2-3 : 16-15-14

PIN 6-7-8 : 11-10-9

1CT : 1CT

1CT : 1CT

DCL @ 100kHz/100mVrms

W/8mA DC BIAS

PIN 16-14

11-9

350μH MIN.

LEAKAGE INDUCTANCE (Le)

@ 1MHz, 20mV

PIN 16-14 SHORT 1-3

PIN 11-9 SHORT 6-8

300nH MAX.

INTERWINDING CAPACITANCE (Cw/w)

@ 1MHz, 20mV

PIN 1-3 TO 16-14

PIN 6-8 TO 11-9

30pF MAX.

INSERTION LOSS

100kHz-100MHz

1.0dB MAX.

RETURN LOSS

@ 1MHz-30MHz

@ 30-60MHz

@ 60-80MHz

18dB MIN.

18-20 LOG (F/30MHz) MIN.

12dB MIN.

CROSSTALK

@ 100kHz-100MHz

35dB MIN.

CM TO CM MODE REJ.

@ 100kHz-100MHz

30dB MIN.

CM TO DM MODE REJ.

@ 100kHz-100MHz

40dB MIN.

HIPOT

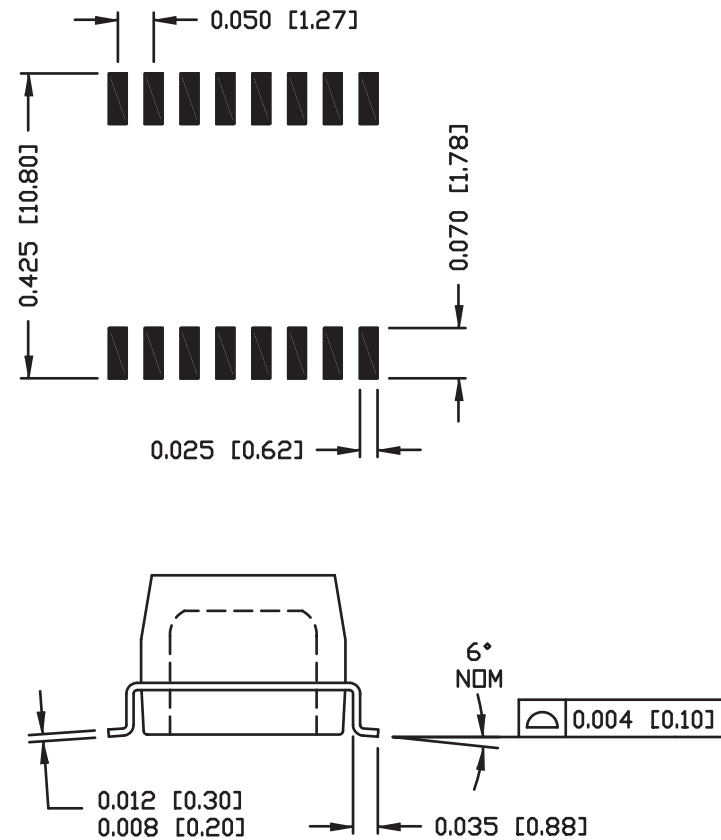
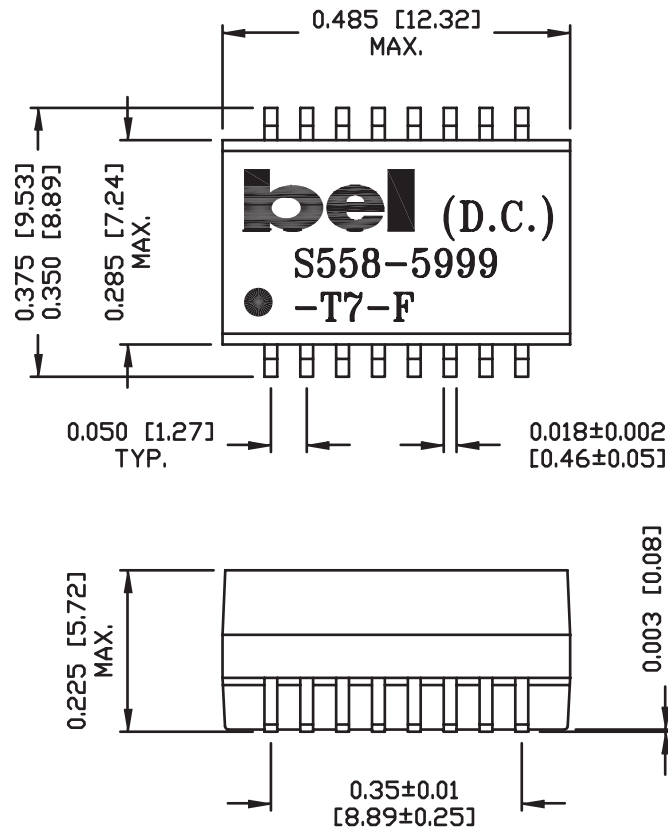
PER HAND-WORK-03

10/100BASE-T LAN MAGNETICS

S558-5999-T7-F Single Port Transformer Module



SUGGESTED PCB PAD LAYOUT



NOTES:

1. STANDARD MARKING REFER TO DOC. HAND-WORK-04.
2. PACKAGE CODE: "QBS001".