

FEATURES:

- Dual SMT package contains both transmit and receive transformers
- Operating temperature of -40°C to +85°C
- Models matched to leading transceiver ICs
- Return loss meets requirements of G.703
- Recognized By UL 60950-1

YUAN DEAN SCIENTIFIC



T3/DS3/E3/STS-1
Transformers

15TB-Dual SERIES

Dual SMT

Extended Temperature Range



ELECTRICAL SPECIFICATIONS@25°C-Operating Temperature -40°C to +85°C

| Part Number | Turns Ratio (±2%) | | OCL Primary (mH Min) | | LL (uH Max) | | Cw/w (pF Max) | | HI POT Vrms | Package/Schematic | Primary Pins | |
|----------------|-------------------|-------|----------------------|-----|-------------|------|---------------|----|-------------|-------------------|--------------|-------|
| | TX | RX | TX | RX | TX | RX | TX | RX | | | TX | RX |
| 15TB-4002NNCNL | 1:2CT | 1:1 | 40 | 100 | .120 | .120 | 10 | 10 | 1500 | N/N | 16-14 | 6-8 |
| 15TB-4003NPCNL | 1:2CT | 1:2CT | 40 | 40 | .100 | .100 | 10 | 10 | 1500 | N/P | 16-14 | 11-9 |
| 15TB-4003NGCNL | 1:1 | 1:1 | 40 | 40 | .110 | .110 | 10 | 10 | 1500 | N/G | 1-2 | 7-8 |
| 15TB-1014NOCNL | 1CT:1CT | 1:1 | 100 | 100 | .120 | .120 | 10 | 10 | 1500 | N/O | 6-8 | 16-15 |
| 15TB-1012NICNL | 1:2CT | 1:1 | 100 | 100 | .120 | .120 | 10 | 10 | 1500 | N/I | 7-8 | 16-15 |

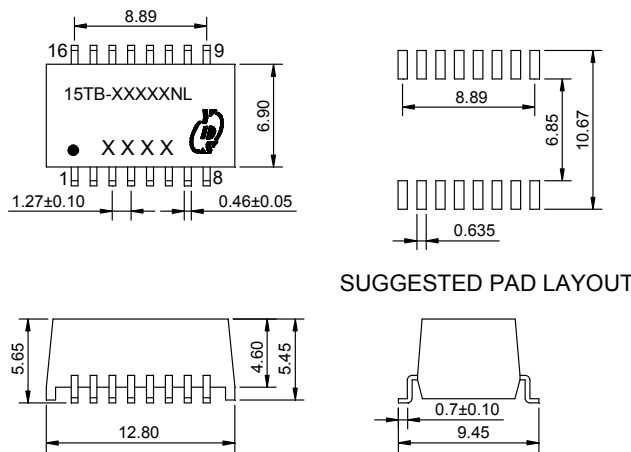


Part Number

| | | | | | | | |
|------|---|-----|---|---|---|---|----|
| 15TB | - | 400 | 2 | N | N | C | NL |
| A | | B | C | D | E | F | G |

- A : Series
- B : Inductance
- C : Sequence id
- D : Appearance
- E : Schematic
- F : Operating Temperature
- G : RoHS Version

Mechanicals and Dimensions



SUGGESTED PAD LAYOUT

Schematics

