

# T1/CEPT(E1)/ISDN-PRI TRANSFORMER

## P/N: 4S1142M DATA SHEET

### A. General Specifications

1. Eight transformers in a surface mount package supports four transmit and four receive channels .
2. Cross talk : -65dB or better
3. Models matched to leading quad and dual T1/E1/CEPTISDN-PRI transceivers .
4. IC grade transfer-molded package with stand 235°C IR reflow .
5. Operating temperature range: -40°C to +85°C

### B. Electrical Specifications @25°C :

1. Isolation HI-POT:1500 Vrms
2. Turns Ratio( $\pm 2\%$ ) : TX=1:2.4, RX=1:1
3. TX/RX OCL. :1.5 mH Min /1.5 mH Min
4. TX/RX. Cw/w: 35 pF Max/35 pF Max
5. TX/RX L/L: 0.6  $\mu$ H Max/0.6  $\mu$ H Max
6. DCR : 0.8  $\Omega$  Max
7. Transmit : 1-2, 8-9, 11-12, 18-19, 40-39, 33-32, 30-29, 23-22
8. Receive : 3-4, 6-7, 13-14, 16-17, 38-37, 35-34, 28-27, 25-24

### C. Schematic & Mechanical:

