

T1/CEPT

Extended Temperature Range
SMD Dual Line Interface Module

8001-8012

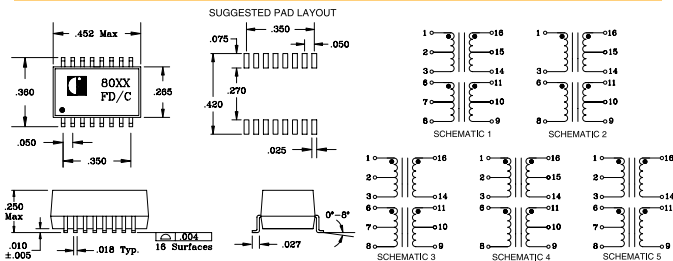


Units matched to leading transceiver ICs. Meet requirements for T1, E1, CEPT and PRI ISDN over extended temperature range -40 to +85°C.

| | | | | | |
|------------------------------|---|------|--------------|----------------------------|------------------|
| - AT&T & Lucent Technologies | T7290, T7288, T7290A | 8002 | - Exar | T5684, T7288 | 8002 |
| - Brooktree / Rockwell | T7289 | 8003 | - Level One | LXT 300, LXT 301, LXT 305 | 8007 |
| - Crystal | UGA 510-1 | 8006 | | LXT 317 | 8006 |
| - Dallas | BT87370 | 8002 | | LXT 359 | 8006 |
| | BT8969B | 8006 | | LXT 304A, LXT 305A | 8004 |
| | R8069, R8069A, R8069B | 8006 | | LXT 310, LXT 311 | 8006 |
| | 61574, 61534, 61544, 61574, 6158, 61535 | 8007 | | LXT 304A, LXT 305A | 8003 |
| | 61581 | 8006 | | LXT 360, LXT361, LXT 370 | 8007 |
| | 61535A, 61574A, 61575, 6158A | 8003 | | LXT 318, LXT 319 | 8006 |
| | DS21352, DS21354 | 8006 | - Mitel | MT9075, MT9074 | 8006 |
| | DS2186, DS2187 | 8002 | - PMC-Sierra | PM4341, PM6341, PM4314QD5X | 8002 |
| | DS2151, DS2152, DS2153, DS2154 | 8003 | | PM4351 | 8001, 8008, 8010 |
| - Exar | T5650, T5620, T5675, T5681, T5683 | 8007 | - Siemens | PEB 2254 | 8009 |
| | 58L22, 58L85, C240, C260, C262, C277 | 8007 | | PEB 2256 | 8011 |
| | T5791, T5793, T5794 | 8004 | - VLSI | VP14Q574, VP14Q575 | 8004, 8003 |



MECHANICAL AND SCHEMATIC (All dimensions in inches)



Units are provided tape & reel

ELECTRICAL SPECIFICATION @ 25°C

| Part No. | Turns Ratio pri: sec | Primary Inductance (mH typ) | Leakage Inductance (µH max) | Interwinding Capacitance (pF max) | Primary DCR (Ω max) | Dielectric Strength (Vrms) | Primary Pins | Schematic |
|----------|----------------------------|--------------------------------|--------------------------------|--------------------------------------|------------------------|-------------------------------|---------------|-----------|
| 8001 | 1:2.42CT 1:2.42CT | 1.50 | 0.50 | 35 | 0.80 | 1500 | 1-3 6-8 | 2 |
| 8002 | 1CT:2CT 1:1.36CT | 1.50 | 0.50 | 35 | 0.80 | 1500 | 16-14 6-8 | 4 |
| 8003 | 1:1.15CT 1CT:2CT | 1.50 | 0.50 | 35 | 0.80 | 1500 | 16-14 6-8 | 3 |
| 8004 | 1:1/1.26 1CT:2CT | 1.50 | 0.50 | 35 | 0.80 | 1500 | 16-14 6-8 | 3 |
| 8005 | 1CT: 1.15CT 1CT: 1.15CT | 1.50 | 0.50 | 35 | 0.80 | 1500 | 1-3 6-8 | 1 |
| 8006 | 1CT:1CT 1CT:2CT | 1.50 | 0.50 | 35 | 0.80 | 1500 | 16-14 6-8 | 1 |
| 8007 | 1CT:2CT 1CT:2CT | 1.50 | 0.50 | 35 | 0.80 | 1500 | 16-14 6-8 | 1 |
| 8008 | 1:2.42CT 1:2.42CT | 1.50 | 0.50 | 35 | 0.80 | 1500 | 11-9 16-14 | 5 |
| 8009 | 1CT:1.41CT 1CT:1.41CT | 1.50 | 0.50 | 35 | 0.80 | 1500 | 16-14 6-8 | 1 |
| 8010 | 1CT:2.42CT 1CT:2.42CT | 1.50 | 0.50 | 35 | 0.80 | 1500 | 1-3 6-8 | 1 |
| 8011 | 1CT:1CT 1CT:2.42CT | 1.50 | 0.50 | 35 | 0.80 | 1500 | 9-11 1-3 | 1 |
| 8012 | 1CT:1CT 1CT:1.67CT | 1.50 | 0.50 | 35 | 0.80 | 1500 | 6-8 14-16 | 1 |


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