

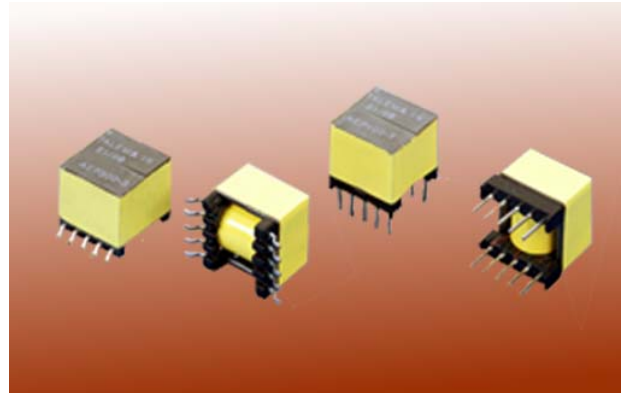


IC - ADSL Transformer Selection Guide

Talema has designed a cost effective range of RoHS compliant transformers and inductors for ADSL applications. The units are available in the most popular small footprints in both thru hole and surface mount configurations. The transformers are matched to all leading chip sets and meet the requirements of ANSI and ETSI standards while offering very low THD, permitting maximum loop length.

ENVIRONMENT

All TALEMA International Group manufacturing facilities are RoHS compliant and all chokes, inductors and HF components are produced in an Environment Management System (EMS) facility which is certified to ISO-14001:2004.



IC - ADSL Transformer Cross Reference Guide

| IC Manufacturer | IC Part Number | Application | Turns Ratio Line : Chip | Isolation Voltage | Inductance Line Side | Talema Part Number |
|-----------------|--------------------------|-------------|-------------------------|-------------------|----------------------|--------------------|
| Alcatel | MTK20130/140/150 | CO | 2 : 1 | 1500 | 410µH | AEP210 / AE-230 |
| | MTK20130/140/141/150/152 | CPE | 1 : 1 | 1500 | 480µH | AEP220 |
| | MTK20131 | CPE | 1 : 1 | 2000 | 440µH | APT200 |
| | MTK20450 | CO/CPE | 2 : 1 | 1500 | 410µH | AEP210 / AE-230 |
| Analog Devices | AD20MSP910/918 | CO/CPE | 1 : 1 | 1500 | 5.0mH | AEP100 / AEP140 |
| | AD20MSP918 | CO | 1.27 : 1 | 1500 | 3.22mH | AEP110 |
| | AD20MSP930 | CO | 1.11 : 1 | 1500 | 2.03mH | AEP120 |
| | AD20MSP930 | CPE | 1.2 : 1 | 1500 | 2.42mH | AEP130 |
| Centillum | CT-L21SC08/CT-L41SC04 | CO | 1 : 1 | 1500 | 462µH | AEP1000 |
| | CT-L50SC04/CT-L50ST81 | CO/CPE | 1.8 : 1 | 1500 | 462µH | AEP1010 |
| | CT-L10AT01-1T | | 1 : 1.1 | 1500 | 364µH | AEP1020 |
| Conexant | 328R58-001 / 328R57-001 | CO/CPE | 2 : 1 | 1500 | 800µH | AEP1100 |
| Fujitsu | MB86670 | CO | 2 : 1 | 1500 | 2.0mH | AEP800 |
| Globespan | G7000 | CPE | 1 : 1 | 1500 | 435µH | AEP500 |
| | G7000 | CO | 1.4 : 1 | 1500 | 441µH | AEP510 |
| | EL-1501 | CPE | 1 : 1 | 1500 | 407µH | AEP520 / AEP530 |
| | EL-1501 | CO | 1 : 1.4 | 1500 | 483µH | AEP540 |
| | G7266 | CO | 1.41 : 1 | 1500 | 474µH | AEP550 |
| | G7266RT | | 2 : 1 | 1500 | 440µH | AEP560 |
| ITEX | i80134 / i80234 | CPE | 1 : 1 | 1500 | 462µH | AEP700 |
| Legerity (AMD) | AMDSSL134 | CO | 2 : 1 | 1500 | 410µH | AEP900 |
| | AMDSSL134 | CPE | 1 : 1 | 1500 | 410µH | AEP910 |
| Linear Tech | LT1497 | | 1 : 1.1 | 1500 | 364µH | AEP1020 |
| Lucent | Wildwire | CO | 1 : 1 | 1500 | 490µH | AEP610 |
| | Wildwire | CPE | 1 : 1 | 1500 | 1.23mH | AEP600 |
| Motorola | MC03AX1456RT | CPE | 1 : 1.8 | 1500 | 3.96mH | AEP300 / AEP330 |
| | MC03AX1456 | CO/CPE | 1.2 : 1 | 1500 | 3.96mH | AEP310 |
| | MC143460 / MC143462 | | 1.2 : 1 | 1500 | 3.96mH | AEP320 |
| TI | TNET D4000R | | 1.423 : 1 | 1500 | 1.5mH | AEP400 |
| | TNET D4000C/P | | 1.95 : 1 | 1500 | 1.5mH | AEP410 |
| | TNET D3000C/P | | 1.423 : 1 | 1500 | 1.5mH | AEP400 |

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