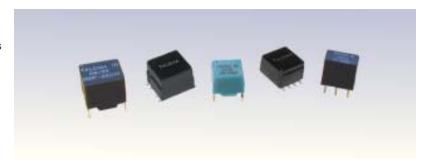
IC - S_0 Single Interface Transformer Selection Guide

Talema manufactures a wide range of transformers for all $\rm S_{\odot}$ ISDN applications. A complete listing of transceiver IC's with recommended Talema transformers is listed on the following cross reference chart.



Performance has been proven in the many design-in's of our products in these applications. Quality and consistency is guaranteed through 100% testing of the specified parameters for Primary Inductance, Leakage Inductance, Turns Ratio, DC resistance and Interwinding Capacitance. This ensures that the Return Loss and Pulse Waveshape requirements for S-Interface can be met. Additionally, all parts are tested for 1500V minimum isolation.

Standard Packaging: SMD styles - Tape and Reel; TH styles - Anti Static tubes.

| ISDN IC - S _O Interface Transformer Cross Reference Guide | | | | | | | |
|--|------------------------------------|------------------------------------|---------------|--------------|---------------|----------|----------|
| IC Manufacturer | IC Part Number | Talema part Number | | | | | |
| | | Through Hole | | | Surface Mount | | |
| | | Flat | Vertical | 3kV Flat | Standard | Compact | 3kV |
| Alcatel Micro | MTC20276, MTC20277 MTC202172 | ISF-120A1 | ISV-120A1 | ISHF-220A1 | SWJ-140B | SMJ-140B | SHJ-220A |
| | | ISF-140B1 | ISV-140B1 | ISHF-240B1 | | | SHJ-240B |
| AMD | AM79C30A, AM79C32A | ISF-120A1 | ISV-120A1 | ISHF-220A1 | SWJ-140B | SMJ-140B | SHJ-220A |
| | | ISF-140B1 | ISV-140B1 | ISHF-240B1 | | | SHJ-240B |
| Cologne Chip | HFC-Sxxx Series | ISF-140B1 | ISV- 140B1 | ISHF-240B1 | SWJ-140B | SMJ-140B | SHJ-240B |
| Lucent | T7340, T7254, T7250 T7256, T7259 | ISF-130B1 | ISV-130B1 | ISHF-230B1 | SWJ-130B | SMJ-130B | SHJ-230B |
| | T7901, T7903 | ISF-120A1 | ISV-120A1 | ISHF-220A1 | SWJ-140B | SMJ-140B | SHJ-220A |
| | | ISF-140B1 | ISV-140B1 | ISHF-240B1 | | | SHJ-240B |
| Mietec | MTC-2072 | ISF-120A1 | ISV-120A1 | ISHF-220A1 | SW.I-140B | SMJ-140B | SHJ-220A |
| | W10-2072 | ISF-140B1 | ISV-140B1 | ISHF-240B1 | | | SHJ-240B |
| Mitel | MT8930, MT8931 | ISF-120A1 | ISV-120A1 | ISHF-220A1 | SWJ-140B | SMJ-140B | SHJ-220A |
| | W10930, W10931 | ISF-140B1 ISV-140B1 ISHF-240B1 | 34400 | J 31VIO-140B | SHJ-240B | | |
| Motorola | MC145474, 145475 | ISF-100B1 | ISV-100B1 | ISHF-200B1 | SWJ-100B | SMJ-100B | SHJ-200B |
| | MC145574 | ISF-130B1 | ISV-130B1 | ISHF-230B1 | SWJ-130B | SMJ-130B | SHJ-230B |
| National | TP3420, TP3421 | ISF-120A1 | ISV-120A1 | ISHF-220A1 | SWJ-140B | SMJ-140B | SHJ-220A |
| | | ISF-140B1 | ISV-140B1 | ISHF-240B1 | | | SHJ-240B |
| NEC | D98201 | ISF-120A1 | ISV-120A1 | ISHF-220A1 | SWJ-140B | SMJ-140B | SHJ-220A |
| | | ISF-140B1 | ISV-140B1 | ISHF-240B1 | | | SHJ-240B |
| SGS | ST5420, ST5421 | ISF-120A1 | ISV-120A1 | ISHF-220A1 | SWJ-140B | SMJ-140B | SHJ-220A |
| | | ISF-140B1 | ISV-140B1 | ISHF-240B1 | | | SHJ-240B |
| Infineon | PEB2080, 2082,2084,2086 | ISF-120A1 | ISV-120A1 | ISHF-220A1 | SWJ-140B | SMJ-140B | SHJ-220A |
| | PSB2115, PSB 2116 | ISF-140B1 | ISV-140B1 | ISHF-240B1 | | | SHJ-240B |
| | PEB8090, 8091, 8190, 8191 | ISF-120A1 | ISV-120A1 | ISHF-220A1 | SWJ-140B | SMJ-140B | SHJ-220A |
| | PEB21381(5V), PEB21383(5V) | ISF-140B1 | ISV-140B1 | ISHF-240B1 | | | SHJ-240B |
| | PSB21381(3.3V), PSB21382, PSB21384 | ISF-100B1 | ISV-100B1 | ISHF-200B1 | | SMJ-100B | SHJ-200B |
| | PSB21283(3.3V), PEB3086, PSB3186 | | | | | | |
| VLSI | VNS80000 | ISF-120A1 | ISV-120A1 | ISHF-220A1 | SWJ-140B | SMJ-140B | SHJ-220A |
| | | ISF-140B1 | ISV-140B1 | ISHF-240B1 | 2770 1400 | | SHJ-240B |
| Yahama | YM7505 | ISF-120A1 | ISV-120A1 | ISHF-220A1 | SWJ-140B | SMJ-140B | SHJ-220A |
| | | ISF-140B1 | ISV-140B1 | ISHF-240B1 | C440-140D | | SHJ-240B |

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