

## IC - S<sub>0</sub> Single Interface Transformer Selection Guide

Talema manufactures a wide range of transformers for all S<sub>0</sub> 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<sub>0</sub> 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 ISF-140B1	ISV-120A1 ISV-140B1	ISHF-220A1 ISHF-240B1	SWJ-140B	SMJ-140B	SHJ-220A SHJ-240B
Mietec	MTC-2072	ISF-120A1 ISF-140B1	ISV-120A1 ISV-140B1	ISHF-220A1 ISHF-240B1	SWJ-140B	SMJ-140B	SHJ-220A SHJ-240B
Mitel	MT8930, MT8931	ISF-120A1 ISF-140B1	ISV-120A1 ISV-140B1	ISHF-220A1 ISHF-240B1	SWJ-140B	SMJ-140B	SHJ-220A 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 ISF-140B1	ISV-120A1 ISV-140B1	ISHF-220A1 ISHF-240B1	SWJ-140B	SMJ-140B	SHJ-220A SHJ-240B
NEC	D98201	ISF-120A1 ISF-140B1	ISV-120A1 ISV-140B1	ISHF-220A1 ISHF-240B1	SWJ-140B	SMJ-140B	SHJ-220A SHJ-240B
SGS	ST5420, ST5421	ISF-120A1 ISF-140B1	ISV-120A1 ISV-140B1	ISHF-220A1 ISHF-240B1	SWJ-140B	SMJ-140B	SHJ-220A SHJ-240B
Infineon	PEB2080, 2082,2084,2086 PSB2115, PSB 2116	ISF-120A1 ISF-140B1	ISV-120A1 ISV-140B1	ISHF-220A1 ISHF-240B1	SWJ-140B	SMJ-140B	SHJ-220A SHJ-240B
	PEB8090, 8091, 8190, 8191 PEB21381(5V), PEB21383(5V)	ISF-120A1 ISF-140B1	ISV-120A1 ISV-140B1	ISHF-220A1 ISHF-240B1	SWJ-140B	SMJ-140B	SHJ-220A SHJ-240B
	PSB21381(3.3V), PSB21382, PSB21384 PSB21283(3.3V), PEB3086, PSB3186	ISF-100B1	ISV-100B1	ISHF-200B1	SWJ-100B	SMJ-100B	SHJ-200B
VLSI	VNS80000	ISF-120A1 ISF-140B1	ISV-120A1 ISV-140B1	ISHF-220A1 ISHF-240B1	SWJ-140B	SMJ-140B	SHJ-220A SHJ-240B
Yamaha	YM7505	ISF-120A1 ISF-140B1	ISV-120A1 ISV-140B1	ISHF-220A1 ISHF-240B1	SWJ-140B	SMJ-140B	SHJ-220A SHJ-240B

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