ISDN - S_o SMD Single Interface Transformers

Features

- designed for optimum compatability with all established interface IC's
- excellent and consistent balance between windings
- compact sizes in through-hole and surface mount packages
- complies fully with CCITT.I.430 recommendations and corresponding national standards for S-Interface
- manufactured in ISO-9001 approved Talema facility
- operating temperature: 0 to 70°C



Electrical Specifications @ 25°C

Turns Ratio: **Bold** = IC side windings

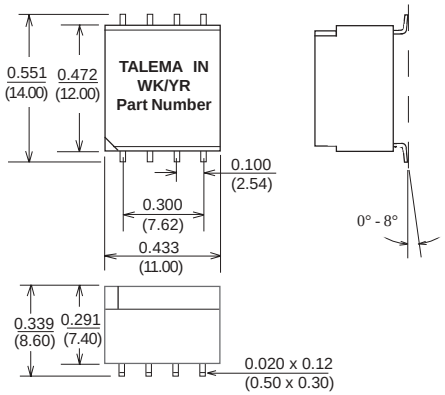
Part Number	L_P (mH min)	Turns Ratio	L_L (µH)	$^I_{DC}$ (mA)	C_C (pF Max)	$R_{CU}P$ (Ohms)	$R_{CU}S$ (Ohms)	V_P (Vrms)	Schematic
Surface Mount S_o Interface Transformers									
SMJ & SWJ SMD Series comply with Basic Insulation Level EN60950, UL1950 and UL1450									
SMJ-100B	30	1:1:**1:1**	5	4	100	1,65	1,7	1500	B
SMJ-130B	30	1:1:**2,5:2,5**	5	4	100	1,65	4,4	1500	B
SMJ-140B	30	1:1:**2:2**	5	4	100	1,65	3,4	1500	B
SWJ-100B	30	1/1:**1/1**	10	5	150	1,7	2,0	1500	B
SWJ-130B	30	1/1:**2,5/2,5**	10	5	150	1,7	4,6	1500	B
SWJ-140B	30	1/1:**2/2**	10	5	150	1,7	4,0	1500	B
SHJ Series Interface Transformers comply with Reinforced Insulation Level EN60950 and UL1950 **									
SHJ-200B	30	1:1:**1:1**	10	5	45	1,7	1,9	3000	B
SHJ-220A	30	1:1:**4**	10	5	45	1,7	3,7	3000	A
SHJ-230B	30	1:1:**2,5:2,5**	10	5	45	1,7	4,7	3000	B
SHJ-240B	30	1:1:**2:2**	10	5	45	1.7	3,7	3000	B

** S_O Transformer modules comply with Reinforced Insulation Level EN60950:1992/A4: 1997, para. 2.9.4.4 when tested in accordance with 6.4.1

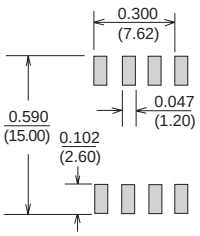
Test Conditions:
Inductance and coupling capcitance: 10kHz, 100mV
Leakage Inductance: 100kHz, 100mV

Standard Packaging: Tape and Reel

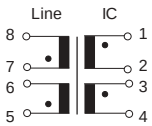
SMJ



Suggested Pad Layout



Schematic B



Surface Coplanarity will be 0.004(0.10)

Dimensions: Inches (Millimeters)
Tolerance: ±0.010 (0.25) unless specified otherwise

USA: AlfaMag Electronics LLC | 945 Parkwood | PO Box 668 | Rolla, MO 65402
Phone: 1-800-413-6693 FAX: 1-364-5390 EMail: support@alfamag.com
http://www.alfamag.com
(07-03)

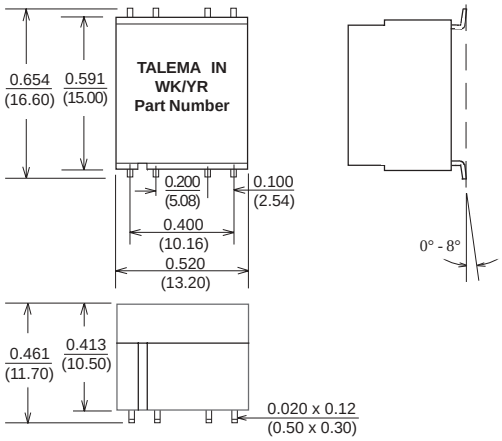
Packaging and Dimensions • S_o Chip Style SMD Single Interface Transformers

Dimensions: Inches (Millimeters)
Tolerance: ±0.010 (0.25) unless specified otherwise

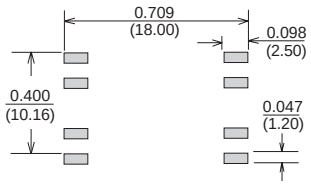
Surface Coplanarity will be 0.004(0.10) maximum

Package Style **Schematic**

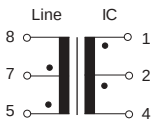
SWJ



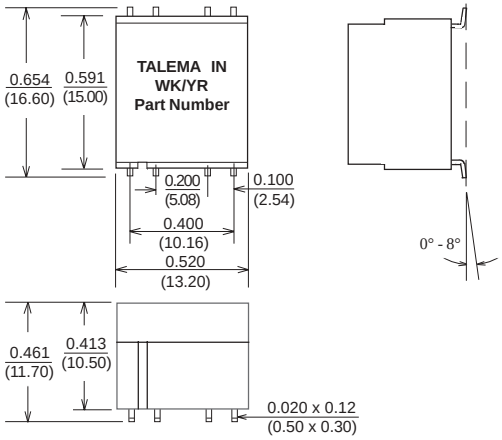
Suggested Pad Layout



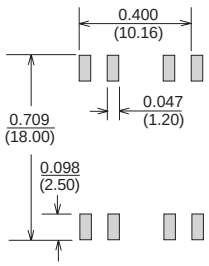
B



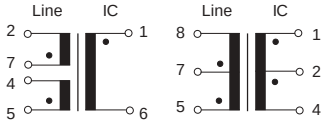
SHJ



Suggested Pad Layout



A **B**



Sales & Marketing, Design and Manufacturing Facilities

http://www.talema-nuvotem.com

Eastern Europe & Czech Republic
NT MAGNETICS s.r.o.
Chebská 27
322 00 Plzeñ
Tel: Int. + 420 37 - 744 9303
Fax: Int. + 420 37 - 744 3697
Email: talema@talema.cz

Germany
TALEMA ELEKTRONIK GMBH
Sembdnerstr. 5, Postfach 2523
82110 Germering
Tel: Int. + 49 89 - 841 00 - 0
Fax: Int. + 49 89 - 841 00 25
Email: info@talema.de

Ireland
NUVOTEM TEO.
Crolly
Co. Donegal
Tel: Int. + 353 74 - 954 8666
Fax: Int. + 353 74 - 954 8139
Email: info@nuvotem.com

India
TALEMA ELECTRONIC PVT. LTD.
Opposite the SIDCO Industrial Estate
Gins Towers
4/5S.H/1, Omalur Main Road
Salem - 636 004, Tamil Nadu
Tel: Int. + 91 427 - 244 1325
Fax: Int. + 91 427 - 243 0034
E-mail: talema@talemaindia.com