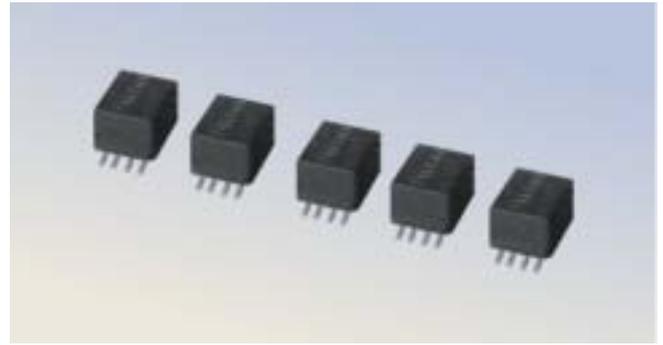




ISDN - S₀ Miniature Interface Transformer

Features

- designed for optimum compatibility with all established interface IC's
- excellent and consistent balance between windings
- miniature surface mount package
- complies fully with CCITT.I.430 recommendations and corresponding national standards for S-Interface
- manufactured in ISO-9001.2000 approved Talema facility
- operating temperature: 0 to 70°C



Electrical Specifications @ 25°C

Standard Packaging: Tape and Reel

Surface Mount S₀ Interface Transformers

Part Number	L _N (mH Min)	Turns Ratio	L _L (μH Max)	C _C (pF Max)	R _{CU^P} (Ohms)	R _{CU^S} (Ohms)	V _P (Vrms)
ISJ-100B	25	1 : 1	2.0	60	3,8	3,8	1500
ISJ-140B	25	1 : 2	2.0	50	4,0	8,0	1500

Test conditions

Inductance (Lo): Line side windings in series - measurement @ 10kHz, 100mV

Polarity and Turns Ratio: Pins 1 -2 : 3 -4 : 5 -6 : 7 -8 = ±2%

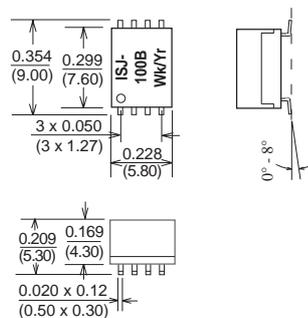
Coupling Capacitance: IC side winding (windings in series) to Line side windings in series @ 10kHz, 100mV

Leakage Inductance: Line side windings in series, IC side winding/s short circuited - measurement @ 100kHz, 100mV

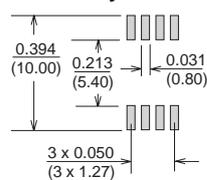
Test Voltage: 1.5kV for 2 Sec. - Line side windings in series to IC side windings in series

Coplanarity: ±0.004(0.10mm)

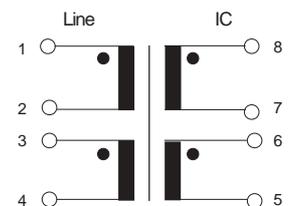
Dimensions



Suggested Pad Layout



Schematic



Surface Coplanarity will be 0.004(0.10)

Dimensions: Inches (Millimeters)

Tolerance: ±0.010 (0.25) unless specified otherwise

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(03-04) ISJ Series