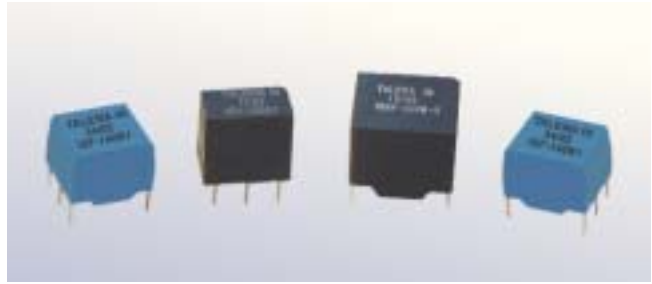




ISDN S₀ DIL Style Through Hole Interface Transformers

Features

- designed for optimum compatibility with all established interface IC's
- excellent and consistent balance between windings
- 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

ISF & ISV Series comply with Supplementary Insulation Level EN60950, UL1950 and UL1450

| Part Number | L _P (mH Min) | Turns Ratio | L _L (μH) | I _{DC} ¹ (mA) | C _C (pF Max) | R _{CU} P (Ohms) | R _{CU} S (Ohms) | V _P (Vrms) | Schematic |
|-----------------|----------------------------|------------------------------|------------------------|--------------------------------------|----------------------------|-----------------------------|-----------------------------|--------------------------|-----------|
| ISF / ISV-100B1 | 30 | 1:1:1:1 | 10 | 5 | 150 | 1.7 | 2.0 | 1500 | B1 |
| ISF / ISV-120A1 | 30 | 1:1:4 | 10 | 5 | 150 | 1.7 | 4.0 | 1500 | A1 |
| ISF / ISV-130B1 | 30 | 1:1: 2,5 : 2,5 | 10 | 5 | 150 | 1.7 | 4.5 | 1500 | B1 |
| ISF / ISV-140B1 | 30 | 1:1: 2 : 2 | 10 | 5 | 150 | 1.7 | 4.0 | 1500 | B1 |

ISHF Series Interface Transformers comply with Reinforced Insulation Level EN60950 **

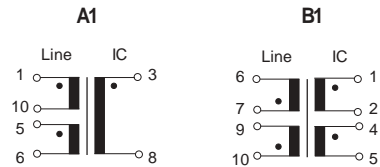
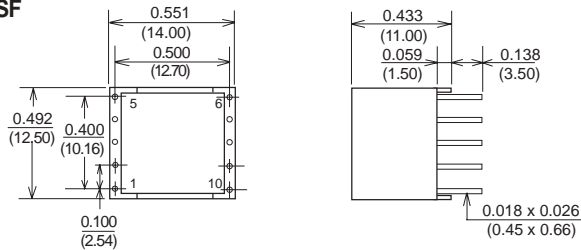
| | | | | | | | | | |
|------------|----|------------------------------|----|---|----|-----|-----|------|----|
| ISHF-200B1 | 30 | 1:1:1:1 | 15 | 5 | 45 | 2.4 | 2.0 | 3000 | B1 |
| ISHF-220A1 | 30 | 1:1:4 | 15 | 5 | 45 | 2.4 | 5.6 | 3000 | A1 |
| ISHF-230B1 | 30 | 1:1: 2,5 : 2,5 | 15 | 5 | 45 | 2.4 | 6.8 | 3000 | B1 |
| ISHF-240B1 | 30 | 1:1: 2 : 2 | 15 | 5 | 45 | 2.4 | 5.6 | 3000 | B1 |

** S₀ Transformer modules comply with Reinforced Insulation Level EN60950:1992/A4: 1997, para. 2.9.4.4 when tested in accordance with 6.4.1

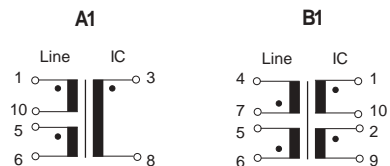
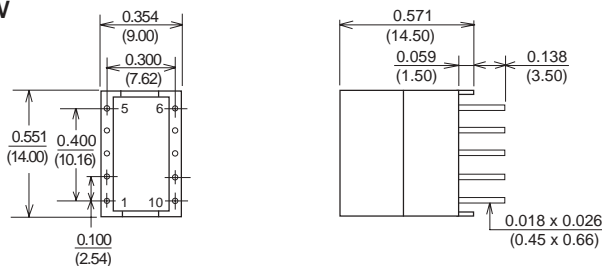
Package Style

Schematic

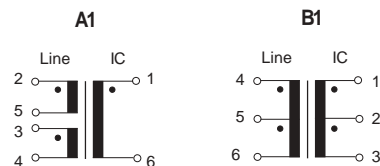
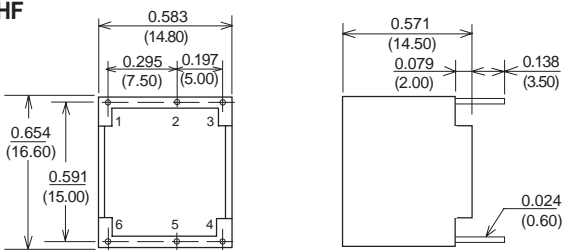
ISF



ISV



ISHF



Dimensions: Inches (Millimeters)

Tolerance: ±0.010 (0.25) unless specified otherwise

Germany: Int.+4989-841 00-0 • Ireland: Int.+35 375-48 666 • Czech Rep: Int.+420 19-744 9303 • India: Int.+91 427-340 492

<http://www.talema-nuvotem.com>

(07-03 Communications\ISDN\So-J Trafo)