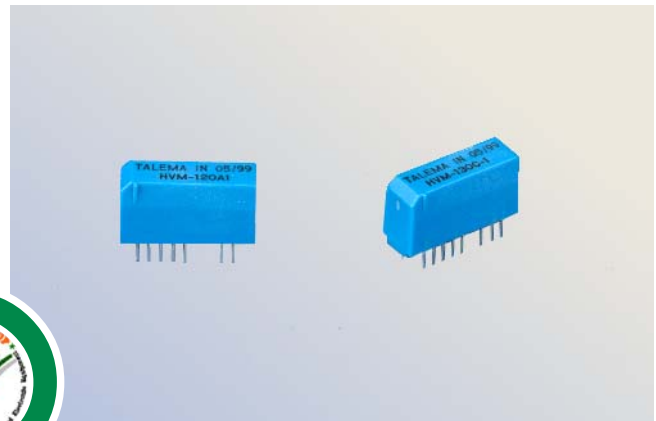


# ISDN S<sub>0</sub> THT Interface Modules

## Features

- excellent output characteristics ensures compliance with CCITT.I.430 pulse waveform template when used with recommended IC pairing
- excellent and consistent balance between windings
- modular design maximizes suppression effectivity and transmission properties
- full compatibility with all common IC's
- HVM Series approved to IEC950 (see note at bottom of chart)
- manufactured in ISO-9001:2000, TS-16949:2002 and ISO-14001:2001 certified Talema facility
- fully RoHS compliant and meets lead free reflow level J-STD-020C
- operating temperature: -40° to 85°C
- storage temperature: -40 to +125°C



## Electrical Specifications @ 25°C

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

### ISM Series DIL Modules comply with Supplementary Insulation Level EN60950, UL1950 and UL1459

Part Number	L <sub>P</sub> (mH Min)	Turns Ratio	L <sub>L</sub> (μH Max)	I <sub>DC</sub> <sup>Λ</sup> (mA)	C <sub>C</sub> (pF Max)	R <sub>CU P</sub> (Ohms)	R <sub>CU S</sub> (Ohms)	V <sub>P</sub> (Vrms)	Schematic
ISM-100C1-XXX	30	1/1:1/1	10	5	150	1.7	2.0	1500	C1
ISM-120A1-XXX	30	1/1:4	10	5	150	1.7	4.0	1500	A1
ISM-130C1-XXX	30	1/1: <b>2.5/2.5</b>	10	5	150	1.7	4.6	1500	C1
ISM-140C1-XXX	30	1/1: <b>2/2</b>	10	5	150	1.7	4.0	1500	C1

### HVM Series DIL Modules are Approved to IEC950 - Supplementary Insulation Level

HVM-100C1-502	30	1/1:1/1	10	5	75	1.7	2.1	1500	C1
HVM-120A1-502	30	1/1:4	10	5	75	1.7	4.2	1500	A1
HVM-130C1-502	30	1/1: <b>2.5/2.5</b>	10	5	75	1.7	4.9	1500	C1
HVM-140C1-502	30	1/1: <b>2/2</b>	10	5	75	1.7	4.2	1500	C1

### Common Mode Quad Choke

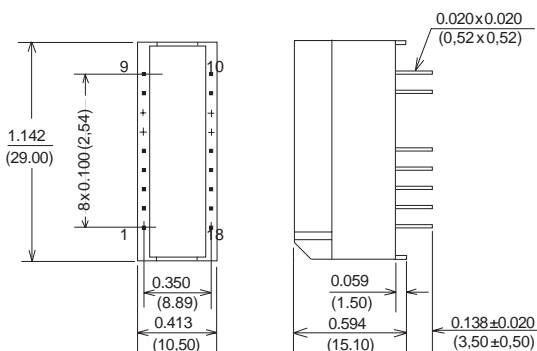
Basic P/N + Suffix (Example: ISM-100C1-470)	L <sub>N</sub> (μH)	R <sub>CU</sub> (Ohms)
-000	No Choke	
-470	47	0.30
-101	100	0.40
-501	500	1.20
-502	5000	1.00

### Note:

The HVM Series with a 5mH quad choke is approved to IEC950 Supplementary Insulation level for connection between SELV and TNV in systems which have a rated mains supply of 250Vrms to earth (Certificate Nr. NL2731). Other choke inductances also available.

**Standard Packaging:** Anti-static tubes

## ISM & HVM THT Modules



## Schematic

