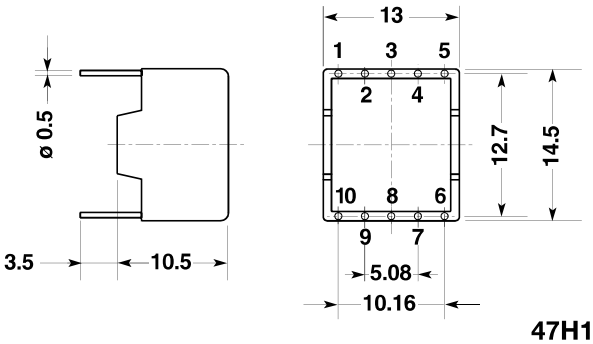
ISDN Common Mode Chokes

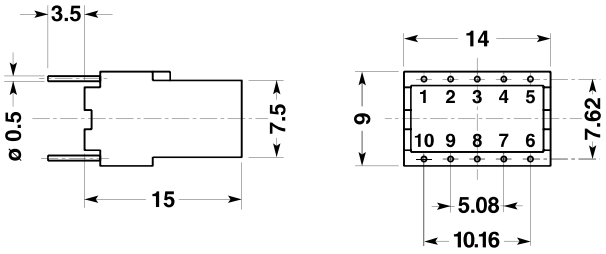
Voltage 80 VDC/42 Vac
Current 0.3 A

QUAD CHOKES

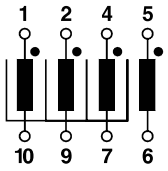
These current-compensated chokes for data and signal lines are fitted with high-permeability toroid core (ferrite). They are used in ISDN equipment in order to suppress the radio frequency interferences (RFI) at the four-wire telephone line input and also at the power input of the network termination (NT) and terminal equipment devices (TEs).



47H14
Horizontal Mounting



47V15
Vertical mounting



o Pins
• Start of winding

Dimensions in mm
Pins are tinned

TYPES

Horizontal	Vertical	Rated inductance per winding	DC resistance per winding (typical)
Code	Code	mH	m Ω
47H14 01 00	47V15 01 00	1	130
47H14 02 00	47V15 02 00	2.2	190
47H14 04 00	47V15 04 00	4.7	280
47H14 10 00	47V15 10 00	10	400

Technical Data

Rated current:	0.3 A referred to 50 Hz and +60°C ambient temperature
Rated inductance:	at +20°C and 10 kHz, 0.1 mA
Inductance tolerance:	+50 -30%
Inductance loss:	< 10% at DC initial loading with I^R
Testing voltage:	500 V -50 Hz, 700 VDC, 2 sec, winding to winding
Climatic category:	DIN GKC (-40 to +125°C; humidity cat. C)
DC resistance:	at +20°C
Derating operating current:	at +120°C ambient temperature I=0
Overtemperature of windings:	< 55°C
Max. permissible temperature of windings:	115 °C
Approx. weight:	3 g

The chockes are designed and tested in accordance with EN 138100; EN 60938-1
The cases are of flame-retardant plastic material in accordance with UL 94V-0