

Low profile line hold choke.

P1202

Features

- Industry Standard
- Low profile
- BS 6403 match compatible
- High reliability under adverse line transient conditions

Application

- Telex terminals to BT guide 51
- Telex terminals to BS 6403

Description

P1202 is a choke designed for application to line terminations in TELEX terminations as specified by BS6403 in cases where the height available is limited. It is intended for use with line transformer P1200 and has a low maximum seated height of only 14.6mm. The P1202 is designed with BS 6301 para. 4.4 in mind, which specifies certain overvoltage tests, and is therefore constructed using materials having adequate margins. Under conditions of very

poor ventilation the overvoltage test causes a winding temperature rise of 99°C. Under normal worst-case conditions the rise is 57°C after 2 hours continuous line hold. P1202 is ideal in situations where lightning strikes make semiconductors vulnerable. The appropriate governing documents of this device are BS 6403 : 1983 (simple telex terminals), and BT guide number 51 (Telex terminals except STT).

Specifications

Parameter	Conditions	Min	Typical	Max	Units
Insertion loss	2kHz			1.5	dB
Frequency response	-3dB max	200		4000	Hz
Return loss	300Hz - 3.4kHz	18			dB
Balance	DC >5kHz Method TG25	80			dB
Distortion *					
Shunt inductance	300 Hz -40dBm	0.73			H
Shunt loss R	300 Hz -10dBm	17			kΩ
DC resistance	20°C			52	Ω

* Modems according to BS 6403 transmit at 1650/850Hz and receive at 980/1180Hz so distortion components of the transmit signal do not fall within the receiver passband.

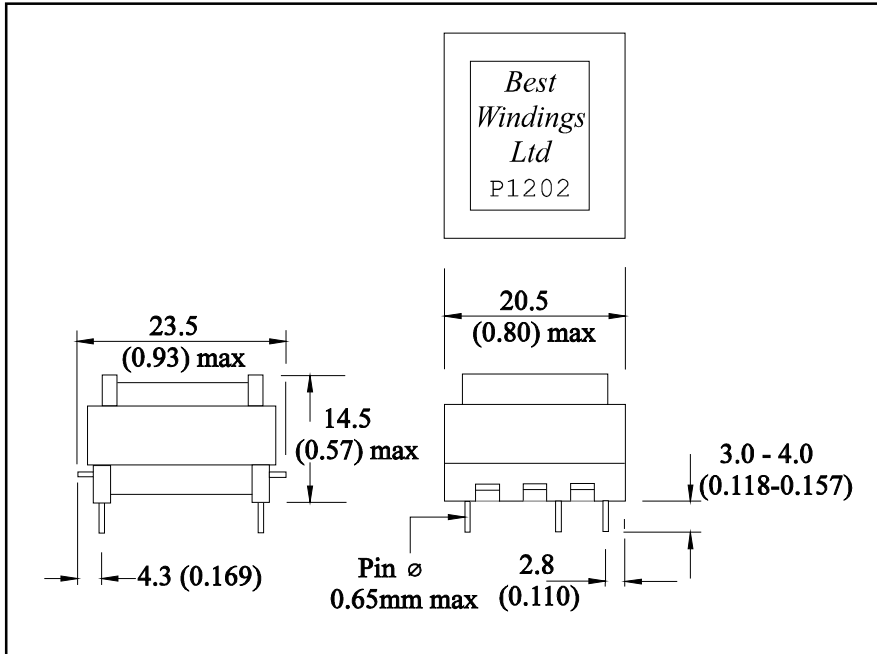
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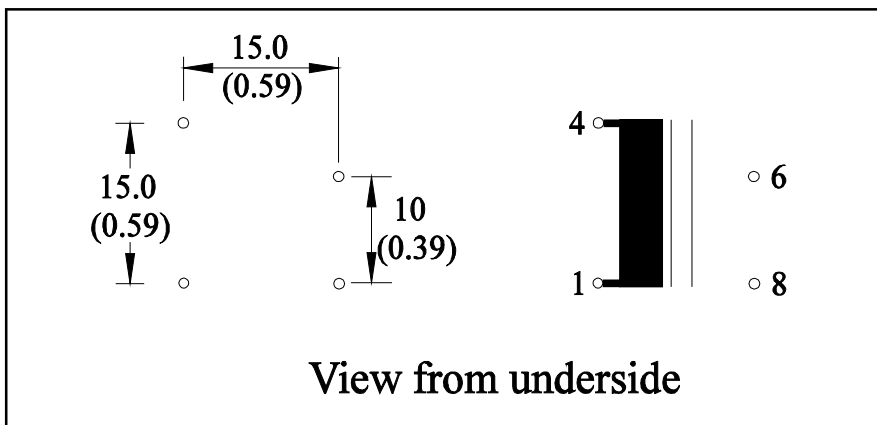
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Dimensions



Connections



Tolerance $\pm 0.3\text{mm}$ (± 0.012 inch)
Recommended PCB hole size 1mm \varnothing (0.04 inch)
Two blank pins provided, one with offset, to provide 4 point fixing and 'handing'

Information

Construction

Dimensions are shown in millimetres (inches).
Open frame having the core bonded by epoxy resin.

Absolute Maximum Ratings

(Ratings of components independent of circuit)

DC current

16mA (meets inductance claim)

DC current

135mA (endurance)

Storage temperature

-40°C to +125°C

Lead temperature, 10s

260°C

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