

Tuned carrier coupling transformer

Provisional Data Sheet

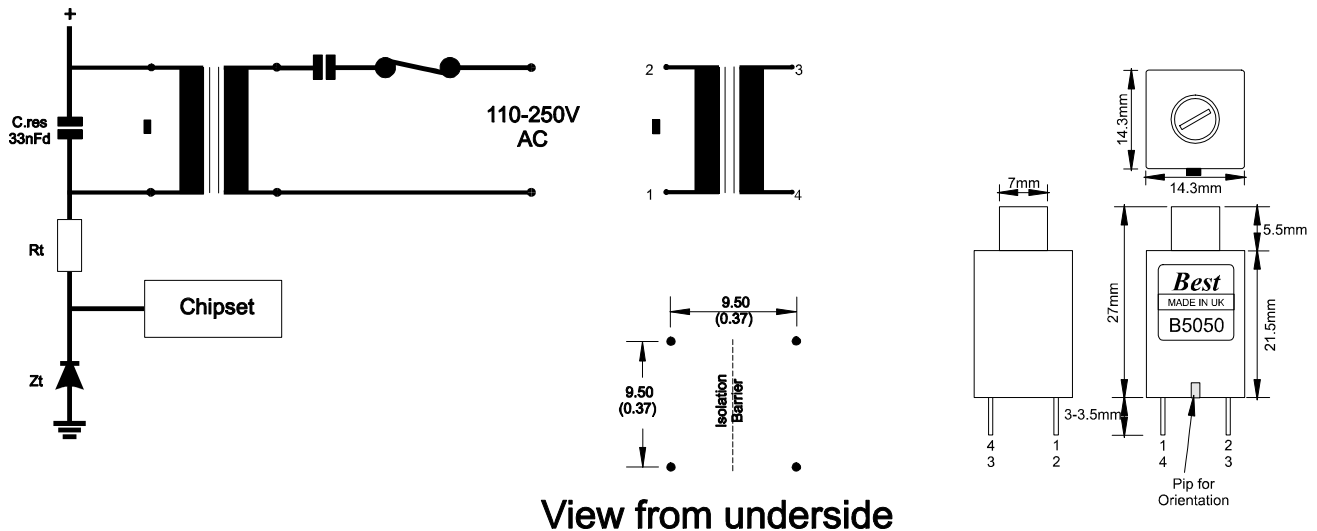
B5050

Features

- 125 kHz (100 - 200 kHz)
- Certifiable to BS EN 60065

- Data Over Mains Applications
- Flammability UL94 -V0
- Tested to 6.5 kV isolation

Dimensions



View from underside

Dimensions in mm (inches)
Connection pins require finished hole size of 1.0mm (+0.04).

Tolerances ± 0.1 mm
Pin Diameter 0.65mm

Technical Data

Parameter	Conditions	Value
Lp modem side Pins 1 - 2	10 kHz	22.0 - 68.0 μ H typical
Q modem side Pins 1 - 2	125 kHz	38 typical
Turns ratio modem to AC line	Pins 1-2 : 3-4	8.6 : 1
Isolation voltage	DC 50 Hz	6.5 kV 3.88 kV rms
Operating range	Ambient Temperature	-10°C to +70°C
Functional		-40°C to +125°C
Storage		<95% R.H.
Operating Humidity		

Best
Windings Ltd

www.bestwindings.co.uk

*Best Windings Ltd, Viking Works,
Bucklesham Road, Kirton, Ipswich,
Suffolk, England. IP10 0NX
E-Mail: sales@bestwindings.co.uk
Tel: + 44 (0) 1394 448 424
Fax: + 44 (0) 1394 448 430*

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