

Filter Module

117.5 kHz

B5075

Features

- 13.0mm Seated height
- Modular Construction
- Low Board Area Used
- Flammability to UL94 V0
- High Performance

Applications

- Data Over Mains
- Remote Metering
- Control Systems
- Mandatory Compliance
- LM1893[®] / LM2893[®] Compatible

Description

B5075 is a filter module designed to be used with the **Best** B5073 isolation transformer to provide an interface to the mains power supply (50/60Hz) over which data may be impressed upon and read from the domestic 50/60 Hz mains supply (110 / 220V)

B5075 conforms to the general requirements of EN 50065-1 :1991, and when used in conjunction with the B5073 transformer produces a network compliant with EN 60065 :2002.

Specifications

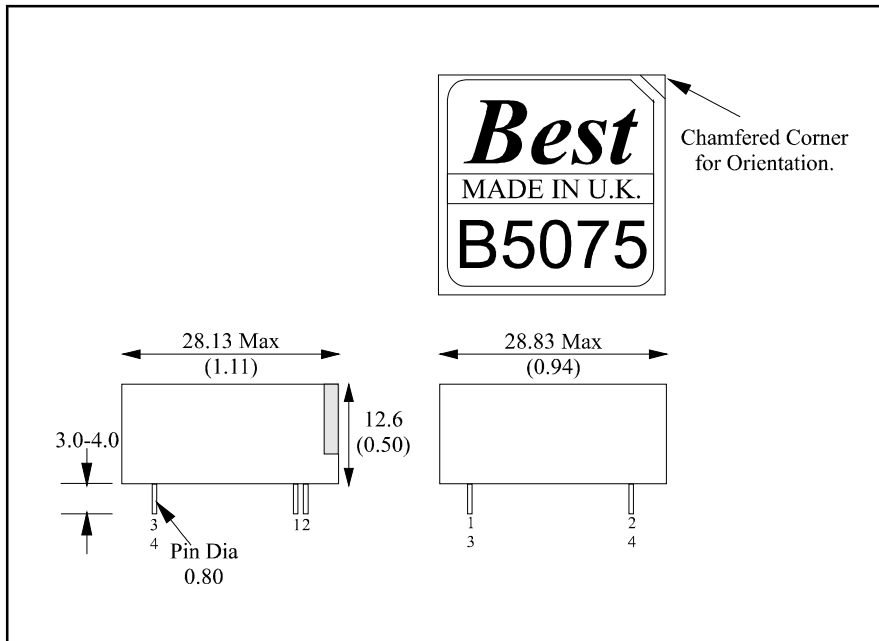
Parameter	Conditions	Min	Typical	Max	Units	
Centre Frequency			117.5		kHz	
Bandwidth	-3 dB	113.1		122.1	kHz	
	-10 dB	112.8		123.3	kHz	
	-35 dB	109.8		125.1	kHz	
Passband Ripple			-0.2		dB	
Operating range	Ambient temperature					
		Functional	-10		+70	°C
		Storage	-40		+125	°C
Humidity				95	%R.H.	

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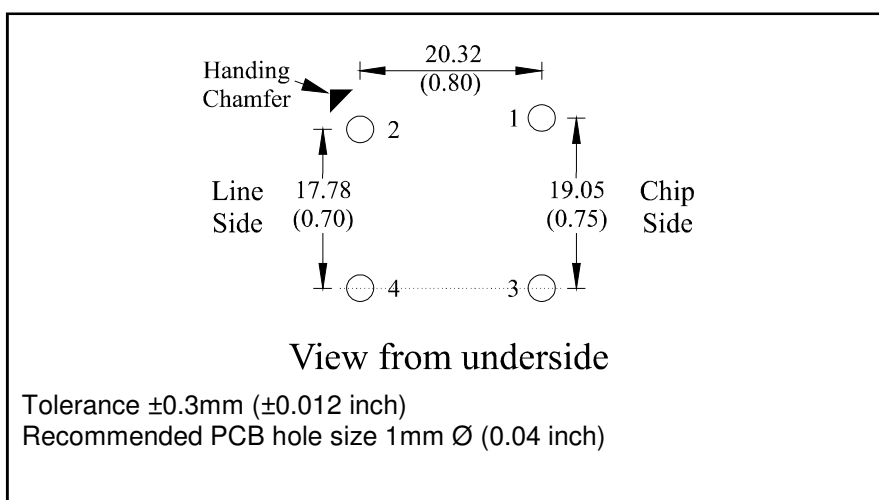
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B5075

Dimensions



Connections



Information

Construction

Dimensions are shown in millimetres (inches). Geometric centres of outline and pin grid coincide within a tolerance circle of 0.6mm \varnothing .

Safety

Manufactured from materials conforming to flammability requirements of UL94V-0 and EN 60950-1:2001

- ◆ This module is supplied pre-tuned to 117.5 kHz.
- ◆ It is completely passive.
- ◆ Very high selectivity.
- ◆ High accuracy.

Other passbands are available, to the same mechanical specifications.

Lead Temperature, 10s
260°C

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November 2007