

# S.M.P. Transformer Intrinsically safe

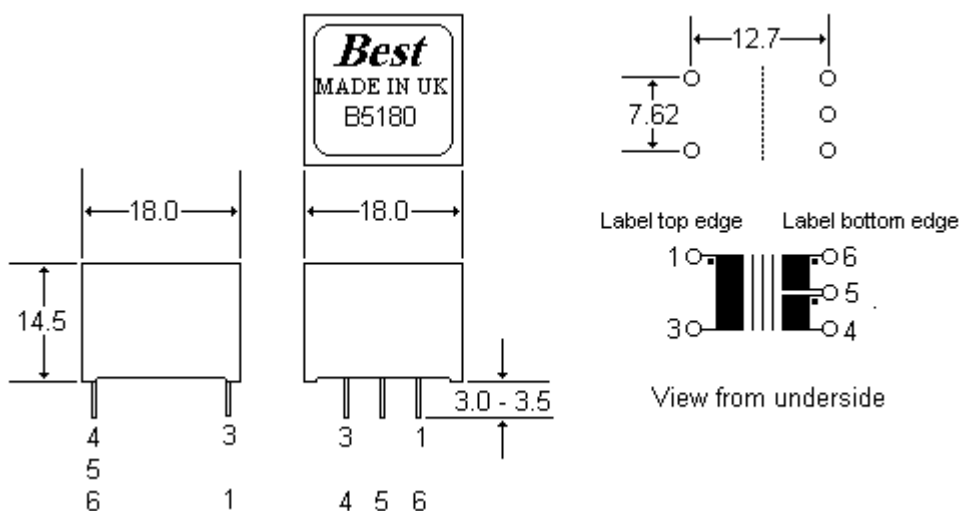
# B5180

Provisional Data Sheet Nov.01

## Features

- 14.5mm Seated height
- Fully shrouded connections
- Tested to 6.5kv DC isolation
- Vacuum encapsulated
- Flammability to UL94 V0
- Meets BASEEFA Requirements
- Delivery usually from stock
- Other versions to order

## Dimensions



Dimensions in mm  
Recommended PCB hole size 1.0mmØ

Tolerances  $\pm 0.3$ mm

## Technical Data

Parameter	Conditions	Value typical
Inductance pins 1-3	10 kHz 10 mV	155 $\mu$ H
Leakage Inductance 4-6	10 kHz 10 mV	70 $\mu$ H
Ratio Pins 1-3 / 4-5 + 5-6		1 / 1.64 +1.64
DC Resistance pins 1-3		0.09 $\Omega$
DC Resistance pins 4-6		0.62 $\Omega$
Isolation voltage	Tested @ 6.5kV dc 1min.	
Operating Range	Ambient temperature	
Functional		-10°C to 70°C
Storage		-40°C to 125°C

# Best Windings Ltd

<http://www.bestwindings.co.uk/>

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