



## Technical Specification

### Features

Wire Wound Construction  
 High Saturation Material  
 Polyolefin Shrink Tubing  
 Low DC Resistance  
 High Reliability

### Applications

Switching Regulators  
 RFI Suppression Filters  
 SCR and TRIAC Controls Systems  
 Automotive Systems  
 Filters

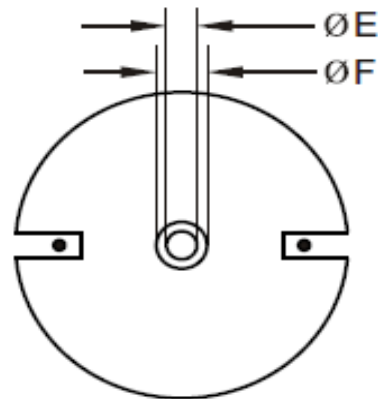
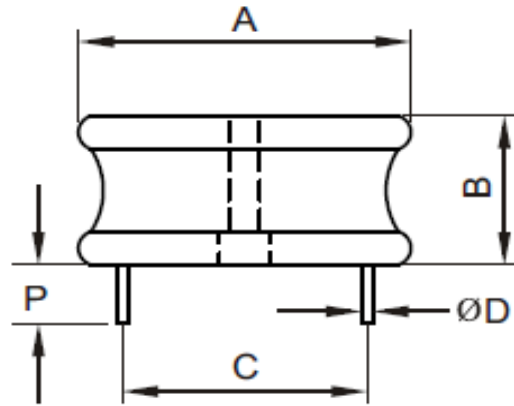
### Electrical Schematic



### Dimensions

A (mm)	B (mm)	P (mm)	E (mm)
50,80	18,80	12,70	6,35
F (mm)	C (mm)	D (mm)	
8,53	36,58	1,37	

### Dimensions



## Electrical Characteristics

### Technical Information

Testing LCR Bridge, measured @ 1KHz 0,1V HP4284A  
 Equivalent acceptable  
 RDC. QuadTech 1880 Milliohmmeter  
 IDC: Max. Lowers inductance by 10%  
 Operating Temperature: -40°C ~ +85°C  
 Storage Temperature: -40°C ~ +125°C  
 Solder Methods: Vapor Phase, Infrared Reflow  
 Marking: Inductance and tolerance  
 Note: All specifications subject to change without notice.  
 Moisture Resistance: L/L 10%

Inductance	Inductance Code	IDC	DCR max.
180µH	181	9,5A	0,0468Ω

### THT Radial Extremely High Current Low Profile

Part No.: **S10R45**

Customer:

DRW:	Jason	CHKD	Jules	MATL:	Wu	DATE	18.05.2009
APPD:	Join			FINISH	Shieh	Sheet	1 from 2

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**Soldering Profile**

**Classification Reflow Profile (JEDEC J-STD-020C)**



**Ordering Information**

Serie	Inductance	Tolerance	No Function	ROHS	Packing
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<b>S10R45</b>	<b>181</b>	<b>K</b>	<b>0</b>	<b>R</b>	<b>BU10</b>
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<b>181</b> = 180µH	<b>K</b> = Tol. 10%	<b>0</b> = No function	<b>R</b> = ROHS conform	<b>BU</b> = Bulk Ware
	<b>J</b> = Tol. 5%		<b>N</b> =NON ROHS conform	<b>TY</b> = Tray Package

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