## Resistors

# **Extremely Low Resistance Power Wirewounds**

### **PLO Series**

- 3 watts to 15 watts
- 0.005 ohm to 0.18 ohm
- ±1%, ±2, ±3, ±5, ±10% tolerance





All Pb-free parts comply with EU Directive 2011/65/EU amended by (EU) 2015/863 (RoHS3)

## **Electrical Data**

IRC Type	Power @ 25°C (watts)	Resistance Range (ohms)	
<b>PLO-3</b> 3		.005 TO .18	
PLO-5	5	.005 TO .18	
PLO-7	7	.01 TO .18	
PLO-10	10	.01 TO .18	
PLO-15	15	.01 TO .18	

-Inductance less than 10 nanohenries.

TCR ±30 to +500ppm/°C

**NOTE:** Standard test points for PLO-3 and PLO-5 are 1.75 in. (44.45mm); test points for PLO-7, PLO-15 are 2.500 in (63.50mm). Consult factory for application.

Please note: When ordering the alternate configuration please add an "A" after the part number. (PLO-<u>3A)</u>

## Physical Data





Dimensions (Inches (mm))						
IRC Type	L ±.063 (1.6)	W ±.03 (.8)	H ±.03 (.8)	D - Diameter ±.002 (.05)	E ±.03 (.8)	
PLO-3	.88 (22.4)	.31 (7.87)	.31 (7.87)	.040 (1.0)	.38 (9.65)	
PLO-5	.88 (22.4)	.38 (9.65)	.35 (8.89)	.040 (1.0)	.41 (10.4)	
PLO-7	1.39 (35.3)	.38 (9.65)	.35 (8.89)	.040 (1.0)	.47 (11.9)	
PLO-10	1.88 (47.8)	.38 (9.65)	.35 (8.89)	.040 (1.0)	.47 (11.9)	
PLO-15	1.88 (47.8)	.50 (12.7)	.50 (12.7)	.040 (1.0)	.63 (16.0)	

#### General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

## BI Technologies IRC Welwyn



## **Temperature Rise Chart**



# Power Derating Curve



## **Ordering Procedure**

This product has two valid part numbers:

#### European (Welwyn) Part Number: PLO3-R01JI (PLO3, 10 milliohms ±5%, Pb-free)

P L O 3		R 0 1	JI
1	2	3	4 5

1	2	3	4	5
Туре	Configuration	Value	Tolerance	Packing & Termination Finish
PLO3	Omit for Standard	R = ohms	F* = ±1%	I = Standard packing & Pb-free
PLO5	A = Alternate		G = ±2%	Bulk pack
PLO7			H = ±3%	
PLO10			J* = ±5%	
PLO15			K = ±10%	
			* preferred	-

### USA (IRC) Part Number: PLO3R010JLF (PLO3, 10 milliohms ±5%, Pb-free)

P L O 3		R 0 1	0 J	L F
1	2	3	4	5

1	2	3	4	5
Туре	Configuration	Value	Tolerance	Packing & Termination Finish
PLO3	Omit for Standard	R = ohms	F* = ±1%	Omit for SnPb
PLO5	A = Alternate		G = ±2%	LF = Pb-free
PLO7			H = ±3%	Bulk pack
PLO10			J* = ±5%	
PLO15			K = ±10%	
			* preferred	-

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