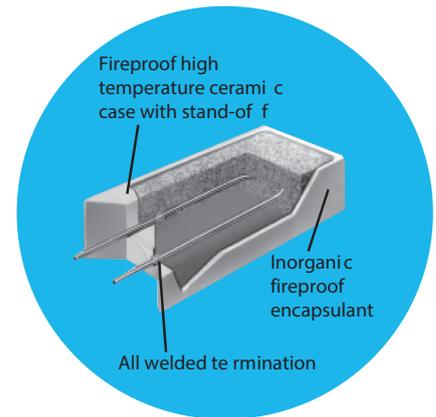


## Low Resistance Stand-Up Power Wirewound Resistor

### PWRL Series

- 3, 5, 7, and 10 watts
- 0.01Ω to 0.18Ω range
- Radial leads for PC mount
- TC's from 50 ppm/°C to +500 ppm/°C (range dependant)

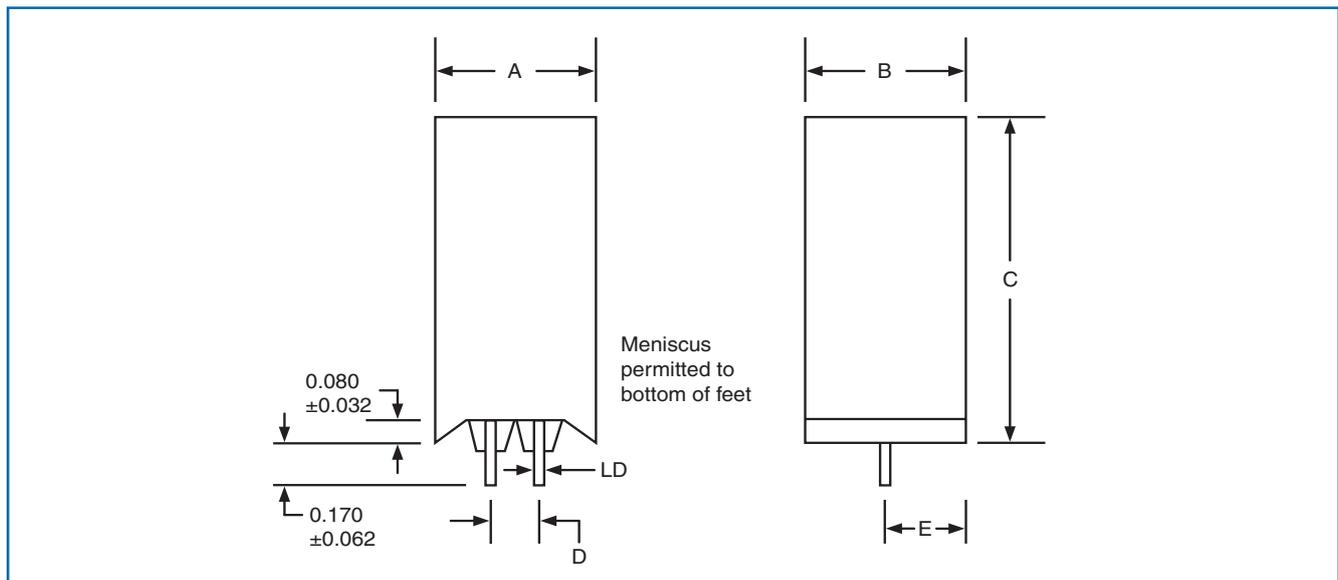


 All Pb-free parts comply with EU Directive 2011/65/EU (RoHS2)

### Electrical Data

		PWRL
Power rating	watts	3, 5, 7 and 10
Resistance range	ohms	0R01 to 0R18
Tolerance	%	±1, ±2, ±3, ±5 and ±10

### Physical Data



Dimensions (Inches and (mm))

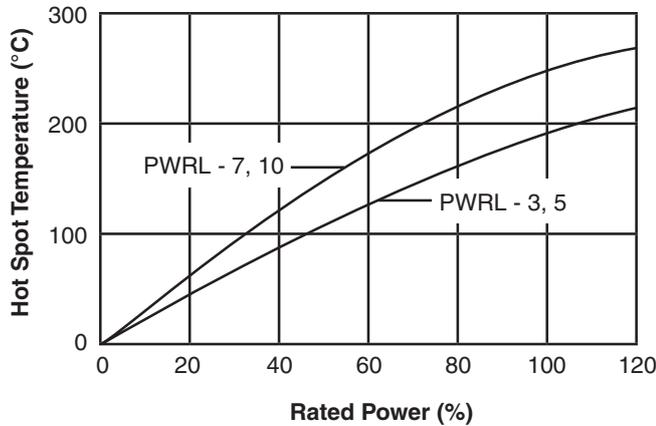
Type	A	B	C	D	E	LD
PWRL-3	0.475 ±0.030 (12.0 ±0.8)	0.320 ±0.030 (8.1 ±0.8)	1.00 ±0.030 (25.4 ±0.8)	0.200 ±0.062 (5.08 ±1.6)	0.175 ±0.062 (4.44 ±1.6)	0.040 ±0.002 (1.02 ±0.05)
PWRL-5	0.500 ±0.030 (12.7 ±0.8)	0.350 ±0.030 (8.8 ±0.8)	1.00 ±0.030 (25.4 ±0.8)	0.200 ±0.062 (5.08 ±1.6)	0.175 ±0.062 (4.44 ±1.6)	0.040 ±0.002 (1.02 ±0.05)
PWRL-7	0.500 ±0.030 (12.7 ±0.8)	0.350 ±0.030 (8.8 ±0.8)	1.50 ±0.032 (38.1 ±0.81)	0.200 ±0.062 (5.08 ±1.6)	0.175 ±0.062 (4.44 ±1.6)	0.040 ±0.002 (1.02 ±0.05)
PWRL-10	0.630 ±0.032 (16.0 ±0.81)	0.510 ±0.032 (13.2 ±0.81)	1.39 ±0.032 (35.3 ±0.81)	0.290 ±0.062 (7.4 ±1.6)	0.250 ±0.062 (6.4 ±1.6)	0.040 ±0.002 (1.02 ±0.05)

#### General Note

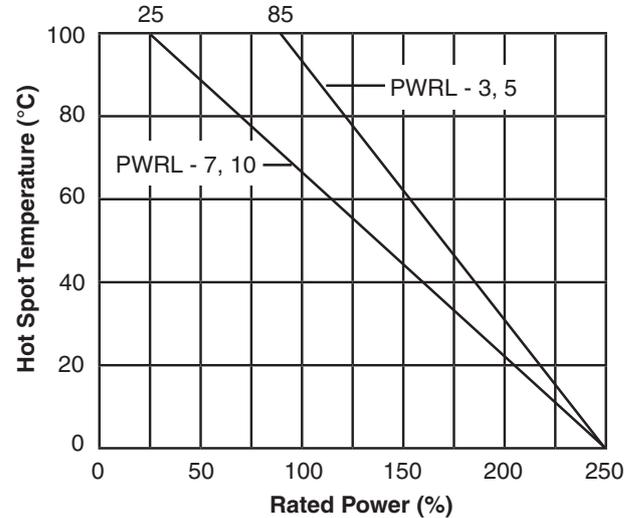
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PWRL Series

### Temperature Rise Chart



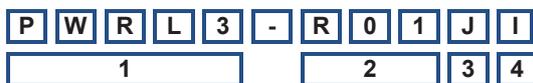
### Power Derating Curve



## Ordering Procedure

This product has two valid part numbers:

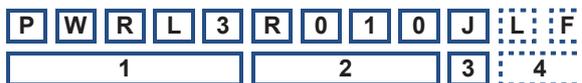
**European (Welwyn) Part Number: PWRL3-R01JI** (PWRL3, 10 milliohms ±5%, Pb-free)



1	2	3	4
Type	Value	Tolerance	Packing & Termination Finish
PWRL3	R = ohms	F* = ±1%	I = Standard packing & Pb-free
PWRL5		G = ±2%	Bulk pack
PWRL7		H = ±3%	
PWRL10		J* = ±5%	
		K = ±10%	

\* preferred

**USA (IRC) Part Number: PWRL3R010JLF** (PWRL3, 10 milliohms ±5%, Pb-free)



1	2	3	4
Type	Value	Tolerance	Packing & Termination Finish
PWRL3	R = ohms	F* = ±1%	Omit for SnPb
PWRL5		G = ±2%	LF = Pb-free
PWRL7		H = ±3%	Bulk pack
PWRL10		J* = ±5%	
		K = ±10%	

\* preferred

**General Note**

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