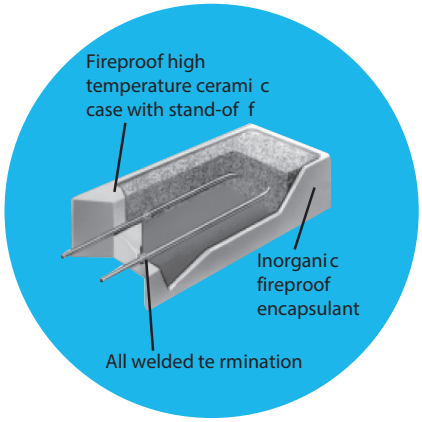
Low Resistance Stand-Up Power Wirewound Resistor

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)**

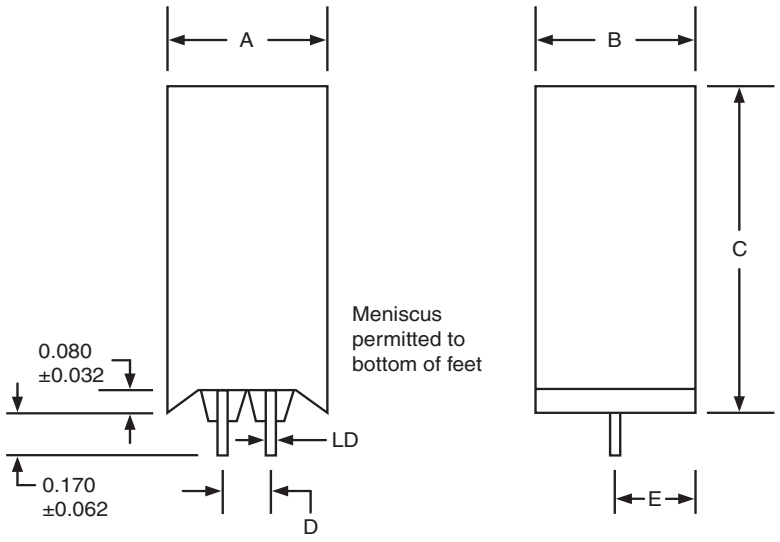


All Pb-free parts comply with EU Directive 2011/65/EU (RoHS2)

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))

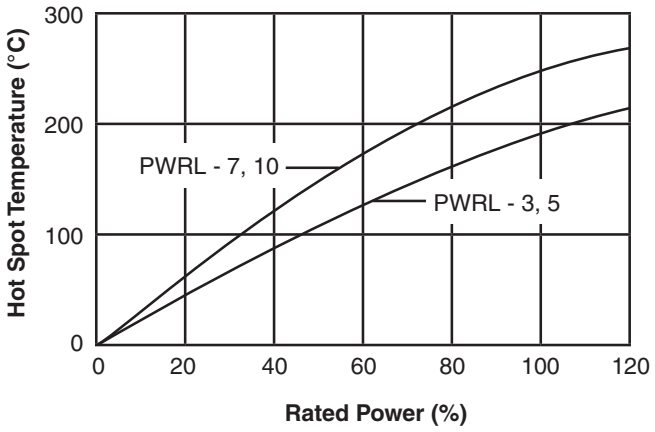
Type	A	B	C	D	E	LD
PWRL-3	0.475 ±0.030 (12.0 ±0.8)	0.320 ±0.030 (8.1 ±0.8)	1.00 ±0.030 (25.4 ±0.8)	0.200 ±0.062 (5.08 ±1.6)	0.175 ±0.062 (4.44 ±1.6)	0.040 ±0.002 (1.02 ±0.05)
PWRL-5	0.500 ±0.030 (12.7 ±0.8)	0.350 ±0.030 (8.8 ±0.8)	1.00 ±0.030 (25.4 ±0.8)	0.200 ±0.062 (5.08 ±1.6)	0.175 ±0.062 (4.44 ±1.6)	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

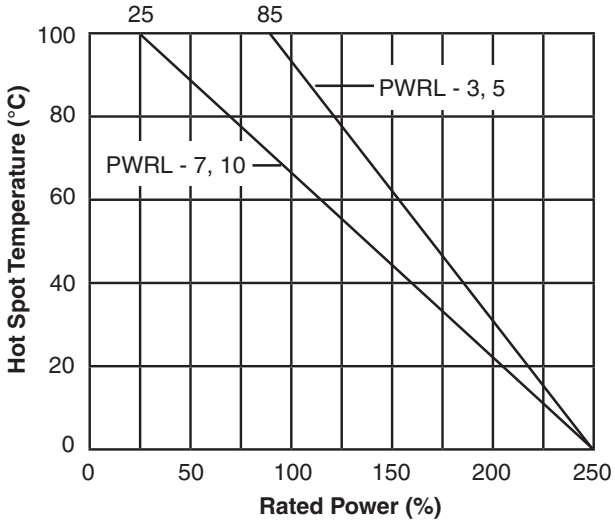
TT Electronics reserves the right to make changes in product specification without notice or liability.
All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

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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)

P	W	R	L	3	-	R	0	1	J	I
1						2			3	4

1 Type	2 Value	3 Tolerance	4 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)

P	W	R	L	3	R	0	1	0	J	L	F
1					2				3	4	

1 Type	2 Value	3 Tolerance	4 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

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