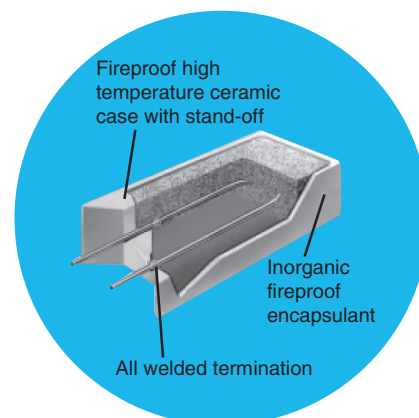


Low Resistance Stand-Up Power Wirewound Resistor

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)

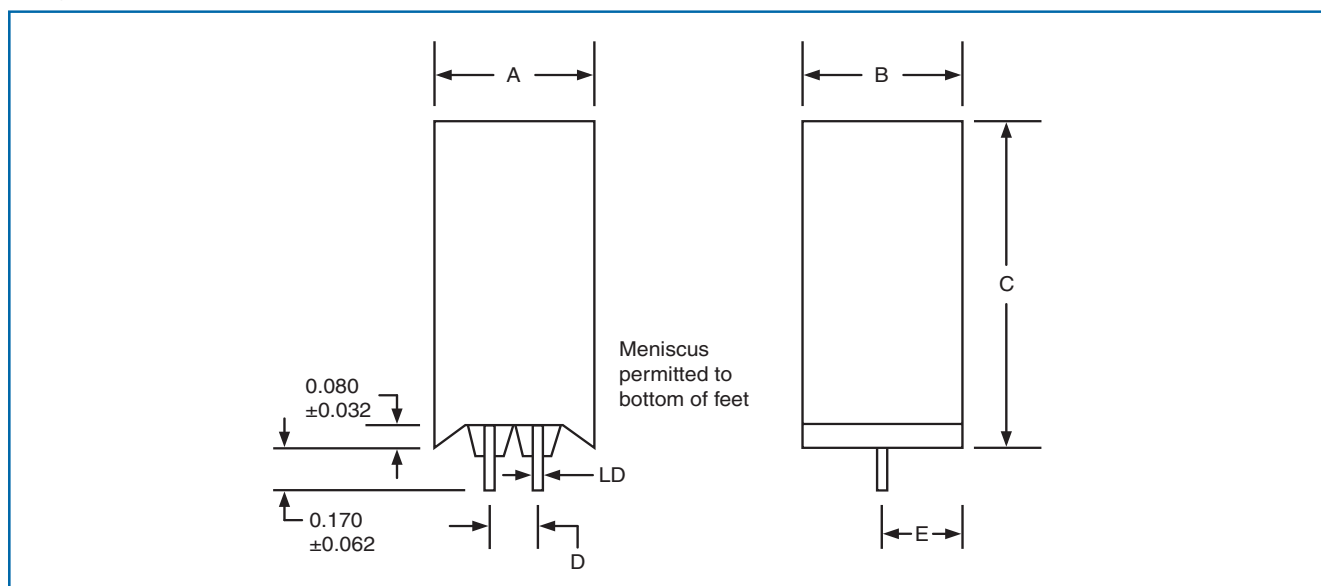


 All Pb-free parts comply with EU Directive 2011/65/EU (RoHS2)

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

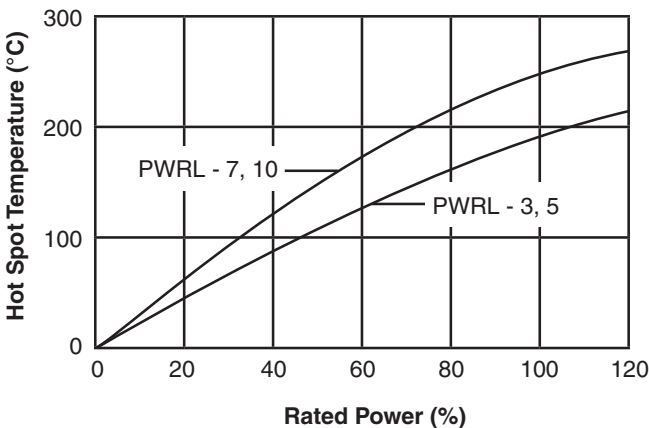
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BI Technologies IRC Welwyn

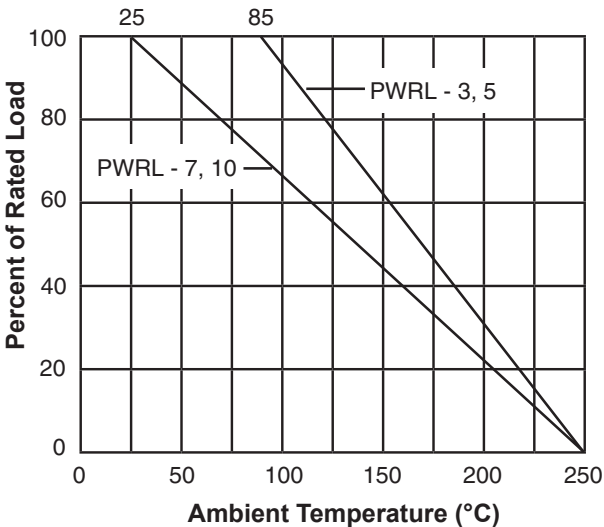
www.ttelectronicresistors.com

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 $\pm 5\%$, 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* = $\pm 1\%$	I = Standard packing & Pb-free
PWRL5		G = $\pm 2\%$	Bulk pack
PWRL7		H = $\pm 3\%$	
PWRL10		J* = $\pm 5\%$	
		K = $\pm 10\%$	

* preferred

USA (IRC) Part Number: PWRL3R010JLF (PWRL3, 10 milliohms $\pm 5\%$, 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* = $\pm 1\%$	Omit for SnPb
PWRL5		G = $\pm 2\%$	LF = Pb-free
PWRL7		H = $\pm 3\%$	Bulk pack
PWRL10		J* = $\pm 5\%$	
		K = $\pm 10\%$	

* preferred

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Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[RBR56L47000BR](#) [RBR53L14302BR](#) [RBR56L18000BR](#) [RBR55L24301BR](#) [RBR54L40200FR](#) [RBR52L887RQR](#)
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[RBR53L36002AR](#) [RBR53L14702BR](#) [RBR54L47R5BR](#) [RBR54L63400FR](#) [RBR54L59000AR](#) [RBR52L27002FR](#)
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