RWS Precision Power Wirewound | GREEL **SMD** Resistor



A compact and precision power resistor, manufactured to the highest standards; reliable and robust but still achieving drift of less than 1% and TCR of 10-90ppm/°C when under rated conditions

- · High overload capability for surge and pulse applications
- Low inductance available
- Custom specification available
- RoHS Compliant



Electrical Specifications

Туре	Wattage	Tolerance	Resistance Range		Resistance Range - Non-inductive	
			Min	Max	Min	Max
RWS05	0.5	D (0.5%) F (1%) J (5%)	R005	1K	R1	200R
RWS1	1		R005	5K8	R1	1K2
RWS2	2		R005	14K	R1	2K8
RWS3	3		R01	25K	R1	5K
RWS5	5		R05	50K	R1	10K

Characteristics

Tolerance (Code): $\pm 0.5\%$ (D), $\pm 1\%$ (F), $\pm 5\%$ (J)

Operating temperature: -55°C to +155°C

Temperature coefficient: \pm 90ppm/°C R1 - R99, \pm 50ppm/°C 1R - 10R, \pm 20ppm/°C > 10R

(PxR) 1/2 Max. working voltage:

Short time overload 5 times rated wattage for 5 seconds

 $\pm (0.5\% + 0.05 \text{m}\Omega)\Delta R$

Bath temperature 235±5°C, immersion time 2±0.5 seconds JIS C 5201 4.17 Solderability

>95% of contact face covered new solder

Bath temperature 260±5°C, immersion time 10±1 seconds JIS C 5201 4.18 Resistance to solder heat

 $\pm (0.5\% + 0.05 \text{m}\Omega)\Delta R$

Dielectric withstanding voltage

Test voltage >500V, duration 1 minute JIS C 5201 4.7

Load life

70°C ±2°C, rated DC working voltage applied 1.5 hours on and 0.5 hours off, 1000 hours, ±(2.0% +

0.05mO)ΛR

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The information contained herein does not form part of a contract and is subject to change without notice. Arcol operate a policy of continual product development, therefore,

specifications may change.

It is the responsibility of the customer to ensure that the component selected from our range is suitable for the intended

application. If in doubt please ask Arcol.

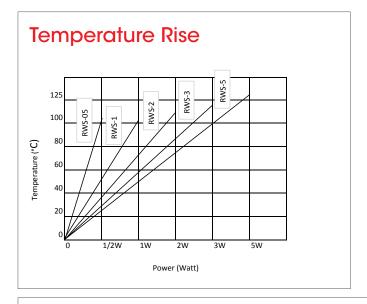
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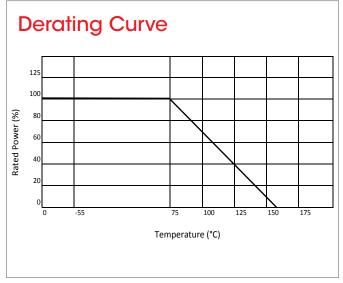
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RWS SMD Precision Power Wirewound Resistor

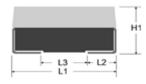




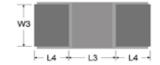


Dimensions (in mm ±0.5)

Туре	L ₁	L ₂	L ₃	H ₁	W_2
RWS05	5.08	1.28	2.52	3.25	1.663
RWS1	7.50	1.75	4.00	4.64	2.405
RWS2	11.00	2.00	7.00	4.65	3.59
RWS3	13.50	2.50	8.50	5.65	4.20
RWS5	20.30	3.00	12.30	7.87	4.90







Solder Pad Dimensions					
Туре	L ₄	W ₃			
RWS05	1.98	2.16			
RWS1	2.45	2.95			
RWS2	2.75	3.70			
RWS3	3.20	4.20			
RWS5	3.70	5.10			

Ordering Procedure

Standard Resistor: Series, Resistance Value, Tolerance,

Packaging (T&R or Bulk)

e.g. RWS1 / NRWS1 (non-inductive) R005 F T&R

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