ACPP Precision Surface Mount Passivated Resistors

- Precision thin film technology
- Extended ohmic range 10R – 1M5
- Precision to ±0.1% and 15ppm/°C
- Passivated range for superior humidity performance
- RoHS Compliant



Characteristics

Tolerance (Code):	±0.1% (B), ± 0.25% (C), ± 0.5% (D)
Operating temperature:	-55°C to +155°C
Temperature coefficient:	±15ppm/°C, ±25ppm/°C, ±50ppm/°C
Overload:	≤±0.2%, ≤±0.1% (ACPP0402), RCWV*2.5 or maximum overload voltage (whichever is lowest) for 2 seconds
Thermal shock:	≤±0.02%, ≤±0.1% (ACPP0402), -55°C +150°C 100 cycles
Endurance:	≤±0.05%, ≤±0.25% (ACPP0402), 70 ± 2°C, RCWV for 1000 hours with 1.5 hours on and 0.5 hours off
Humidity:	≤±0.05%, ≤±0.5% (ACPP0402), 1000 hours at 40±2°C, 90-95% R.H with 1.5 hours on and 0.5 hours off

Electrical Specifications

Type	Wattage	Maximum operating voltage	Maximum overload voltage	TCR ppm/°C	Ohmic value range
ACPP0402	0.0625	25V	50V	±15	49R9 - 12K
				±25	24R9 - 24K9
ACPP0603	0.0625	50V	100V	±15	24R9 - 332K
				±25	
				±50	
ACPP0805	0.1	100V	200V	±15	10R - 1M
				±25	
				±50	
ACPP1206	0.125	150V	300V	±15	10R - 1M
				±25	
				±50	
ACPP2010	0.25	150V	300V	±15	24R9 - 1M
				±25	10R - 1M5
				±50	
ACPP2512	0.5	150V	300V	±15	24R9 - 1M
				±25	10R - 1M5
				±50	

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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.

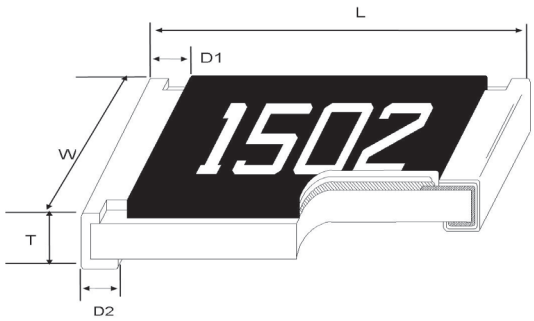
For more information and ordering, please consult
www.arcolresistors.com

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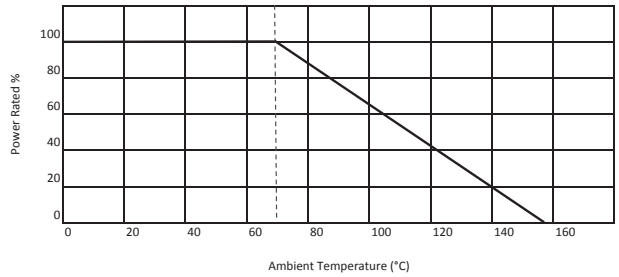
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Dimensions (mm)

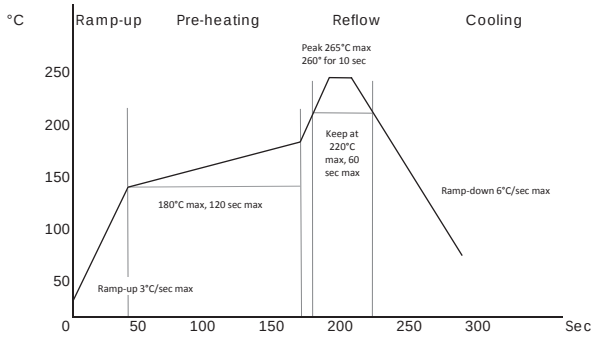
Series	L	W	T	D1	D2
ACPP0402	1.00 ± 0.05	0.50 ± 0.05	0.30 ± 0.05	0.20 ± 0.10	0.20 ± 0.10
ACPP0603	1.55 ± 0.10	0.80 ± 0.10	0.45 ± 0.10	0.30 ± 0.20	0.30 ± 0.20
ACPP0805	2.00 ± 0.15	1.25 ± 0.15	0.55 ± 0.10	0.30 ± 0.20	0.40 ± 0.20
ACPP1206	3.05 ± 0.15	1.55 ± 0.15	0.55 ± 0.10	0.42 ± 0.20	0.35 ± 0.20
ACPP2010	4.90 ± 0.15	2.40 ± 0.15	0.55 ± 0.10	0.60 ± 0.30	0.50 ± 0.20
ACPP2512	6.30 ± 0.15	3.10 ± 0.15	0.55 ± 0.10	0.60 ± 0.30	0.50 ± 0.20



Derating Curve



Soldering Curve



Ordering Procedure

Standard Resistor: Series, Resistance Value, Tolerance, TCR
.i.e: ACPP0603 100K B 15PPM

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