ARC1 Planar (Flat) Leaded Resistor **FRCOL**

This versatile Non Inductive quality range of high voltage thick film resistors, available in conformal or glass coatings, has been designed into a wide range of applications including high voltage medical test equipment, HV power supplies and various high spec instrumentation.

- Variety of configurations
- High voltage capability
- RoHS Compliant
- Low TCR
- Tolerance as low as $\pm 0.1\%$
- Non inductive
- Both axial and radial leaded

Electrical Specifications

	Electrical data		Resistance range available at Tolerance / TCR					
Туре	P Watt	U kVdc	± 0.1 - 10% 15 ppm/°C	± 0.1 - 10% 25 ppm/°C	± 0.25 - 10% 50 ppm/°C	± 0.5 - 10% 100 ppm/°C	± 1 - 10% 200 ppm/°C	± 5 - 10% 200 ppm/°C
ARC1-325	1	8	50K - 25M	10K - 50M	4K - 200M	4K - 1G	4K - 1G	4K - 4G
ARC1-338	1.5	10	100K - 30M	20K - 60M	8K - 250M	8K - 1G	8K - 1G	8K - 4G
ARC1-513	1	5	50K - 50M	10K - 100M	1K - 150M	200R - 250M	100R - 1G	50R - 10G
ARC1-551	2	20	100K - 200M	30K - 250M	4K - 400M	1K - 1G	300R - 1G	200R - 25G
ARC1-1025	2	10	100K - 200M	25K - 300M	4K - 300M	1K - 1G	400R - 1G	200R - 30G
ARC1-1051	3	30	300K - 300M	50K - 300M	8K - 500M	3K - 1G	800R - 1G	400R - 30G
ARC1-1538	3	15	300K - 300M	60K - 300M	9K - 500M	3K - 1G	800R - 1G	500R - 30G
ARC1-1551	4.5	30	400K - 300M	75K - 300M	12K - 500M	4K - 1G	1K - 1G	600R - 30G
ARC1-1576	5.5	35	600K - 300M	120K - 300M	18K - 500M	6K - 1G	1K - 1G	1K - 30G
ARC1-2599	10	35	2M - 300M	200K - 300M	30K - 500M	12K - 1G	3K - 1G	3K - 30G

Characteristics

Operating temperature:	-55°C to +175°C					
Tolerance (Code):	\pm 0.1% (B), \pm 0.25% (C), \pm 0.5% (D), \pm 1% (F), \pm 2% (G), \pm 5% (J), \pm 10% (K)					
Temperature coefficient (Code):	± 15ppm/°C (A), ±	25ppm/°C (E), ± 50ppm/°C (F), ± 100ppm/°C (S), ± 200ppm/°C (L)				
	TCR stated is measured at +25°C and +85°C. For TCR outside this range, please contact ARC					
Insulation resistance:	> 10,000Mohm	500 Volts @ 25°C, 75% relative humidity				
Dielectric strength:	> 1000 Volt	25°C, 75% relative humidity				
Thermal shock:	\triangle R/R 0.2% max					
Overload:	\triangle R/R 0.25% max	1.5 x Pnom, 5 sec (do not exceed 1.5 x V max)				
Moisture resistance:	\triangle R/R 0.25% max					
Load life:	\triangle R/R 0.25% max	1000 hours at rated power				
These resistors are tailored for operation in air and not aggresive atmospheres.						
For special applications (i.e. oil, casting, moulding, etc) please contact ARCOL.						

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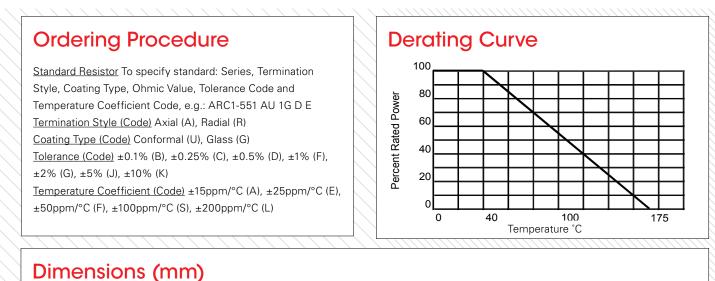
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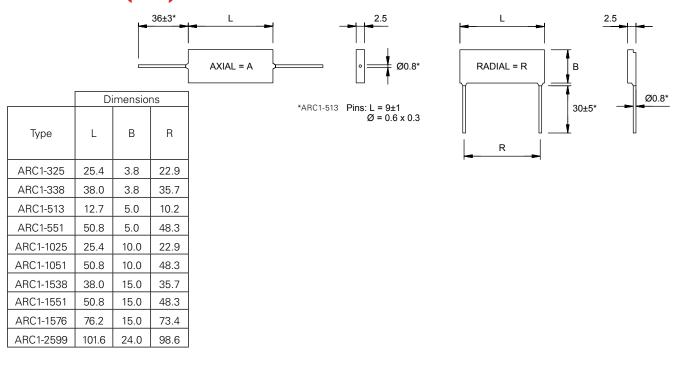
It is the responsibility of the customer to ensure that the component selected from our range is suitable for the intended application. If in doubt please ask Arcol.



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Mouser Electronics

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Arcol:

ARC1.10.51 RG 250M F ARC1-325 RU 10M C A