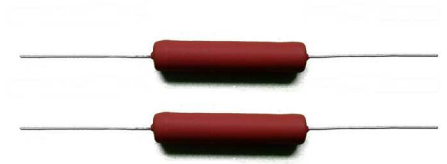


# ADS Silicone Coated Axial Resistor **ARCOL**

This conformal silicone-ceramic coated resistor provides a competitively priced alternative to our ACS range. Offering good power density, stability and durability for a broad range of applications, such as industrial, control and medical.



- Good heat dissipation
- Non flammable silicone coating
- Non-inductive available on request
- RoHS Compliant

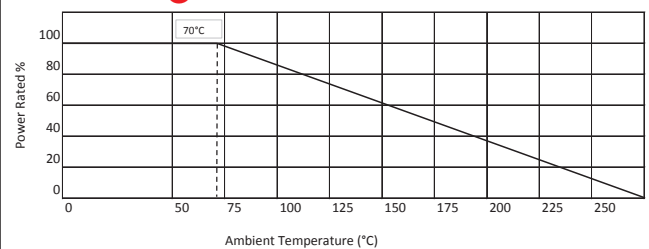
## Characteristics

Tolerance (Code):	$\pm 10\%$ (K) for <math>\lt; 1R</math>, $\pm 5\%$ (J), other tolerances available on request
Temperature coefficient:	Resistance wire - $\pm 50\text{ppm}$ to $\pm 150\text{ppm}$ depending on resistor nominal value Where TCR is critical, please contact ARCOL.
Load life:	$\pm(5\% + 0.05\Omega)$ at $70^\circ\text{C}$ on-off cycles for 1000hrs
Rated load:	$\pm(2\% + 0.05\Omega)$ $\Delta R$ rated wattage for 1/2hrs at room temperature
Short time overload:	$\pm(2\% + 0.05\Omega)$ $\Delta R$ 5 seconds at 5 or 10 times the rated power
Insulation:	$> 1000\text{M}\Omega$ , 500Vdc
Preferred Value range:	E24

## Electrical Specifications

Type	Wattage	Resistance Range	Max. working Voltage
ADS1	1	R01 - 8K	50
ADS2	2	R01 - 10K	100
ADS3	3	R02 - 10K	150
ADS4	4	R01 - 10K	150
ADS5S	5	R05 - 10K	157
ADS5L	5	R05 - 10K	200
ADS7	7	R06 - 10K	500
ADS10S	10	R1 - 47K	500
ADS12	12	R1 - 68K	750
ADS15	15	R1 - 68K	750

## Derating Curve



## Ordering Procedure

Standard Resistor: Series, Resistance Value, Tolerance  
e.g.: ADS1 4K7 J

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F +44 (0) 1872 222002  
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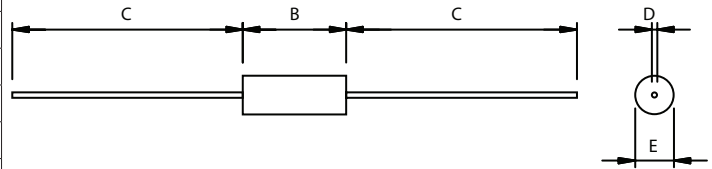
[www.arcolresistors.com](http://www.arcolresistors.com)

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.

## Dimensions (mm)

Series	B $\pm 1.5$	C $\pm 2.0$	D $\pm 0.03$	E $\pm 0.8$
ADS1	12	38	0.78	4
ADS2	13.8	38	0.78	4.7
ADS3	15.7	38	0.78	5.9
ADS4	16	38	0.78	7.0
ADS5S	13.8	38	0.78	6.00
ADS5L	22.5	38	0.78	8.52
ADS7	24.5	38	1.0	8.52
ADS10S	43.7	38	1.0	8.52
ADS12	46.2	38	1.0	10.0
ADS15	61.0	38	1.0	10.0



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