# ACS5S ACS10S Silicone Coated Axial Resistors



The design of the ACS resistor provides a good balance of power density, stability and resistance to environment for a broad range of industrial power applications, such as drives and controls.

- · Good ratio between power capability and physical size
- Wound to maximise high pulse capability
- Low inductive versions available
- RoHS Compliant



#### Characteristics

Tolerance (Code):  $\pm$  1% (F),  $\pm$  5% (J)
Temperature coefficient: Resistance wire  $\pm$ 20ppm

Insulation resistance: 100V > 1000MR

Dielectric withstand voltage: 500V

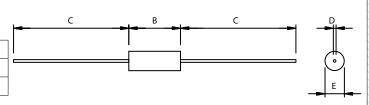
Short time overload:  $\pm (0.5\% + 0.1\Omega) \Delta R$ , 5 times power 5 seconds Load life:  $\pm (1\% + 0.05\Omega) \Delta R$ , 1000 hours at rated load Preferred value range: E24 series standard, E12 for values >10K

#### **Electrical Specifications**

Туре	Wattage (W)	Operating Temperature	Max Working Voltage (V)	Resistance	
				Inductive	Non-inductive
ACS5S	5W	-55°C to +275°C	157	R05 - 22K	R05 - 2K
ACS10S	10W	-55°C to +350°C	700	R1 - 30K	R1 - 5K

### Dimensions (mm)

	B (±1.5)	E (±0.8)	D (±0.02)	C (±1)
ACS5S	12.7	4.78	0.8	35
ACS10S	44.2	8.52	1.0	35



### **Ordering Procedure**

<u>Standard Resistor:</u> Series, N for Non-inductive style, Resistance Value, Tolerance, Packaging Style (TA or BULK for ACS5S) eg. ACS5S 4K7 J / ACS5SN 2K J

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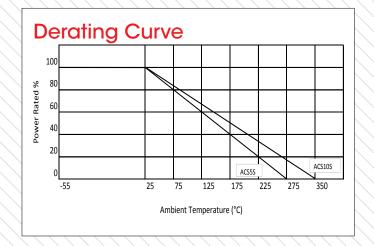
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It is the responsibility of the customer to ensure that the component selected from our range is suitable for the intended application. If in doubt please ask ARCOL.

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## **Axial Resistors**





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