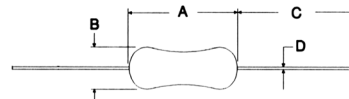


ASR Series — Anti-Surge Resistors

Features

- Extended value range from 100 Ohm to 33 Meg
- Excellent anti-surge characteristics
- Stable characteristics through the resistance range
- Applications include power supplies, CRT's and anti-surge circuits
- Good alternative to Carbon Composition Resistors



Electrical Specifications					
Type (ASR)	Power Rating (Watts) @ 70°C	Maximum Working Voltage*	Maximum Overload Voltage	Surge Withstanding	Ohmic Range and Tolerance
					5%
1/4	0.25W	350	700	1KV	100Ω – 510K
				3KV	560K – 33M
1/2	0.5W	350	700	5KV	100Ω – 510K
				10KV	560K – 910K 13M - 33M
1	1W	500	1,000	5KV	100Ω – 510K
				10KV	560K – 910K 13M - 33M

* Lesser of \sqrt{PR} or maximum working voltage.

Mechanical Specifications				
Type (ASR)	inches		mm	
	A Body Length	B Body Diameter	C Lead Length (Bulk)	D Lead Diameter
1/4	0.24 ± 0.01	0.09 ± 0.01	1.10 ± 0.08	0.024 ± 0.002
	6.0 ± 0.3	2.3 ± 0.2	28.0 ± 2.0	0.6 ± 0.05
1/2	0.35 ± 0.04	0.16 ± 0.02	1.10 ± 0.08	0.028 ± 0.002
	9.0 ± 1.0	4.0 ± 0.5	28.0 ± 2.0	0.7 ± 0.05
1	0.59 ± 0.04	0.22 ± 0.02	1.38 ± 0.12	0.031 ± 0.002
	15.0 ± 1.0	5.5 ± 0.5	35.0 ± 3.0	0.8 ± 0.05

Performance Characteristics (JIS C 5202)	
Test	Test Results
Moisture Resistance	± 5%
Temperature Cycling	± 1%
Load Life	± 5%
Resistance to Soldering Heat	± 1%
Short Time Overload	± 1%
Operating Temperature Range	-55°C to +155°C
Discharge	± 50%

How to Order

ASR	1/2	10 K	5%	A		
SEI Type	Code	Nominal Resistance	Tolerance	Packaging		
Code	Tolerance	Values	Code	Description	SEI Types	Pkg Qty
1/4	5%	E12	A	Bulk	ASR 1/4, ASR 1/2, ASR 1	1,000
1/2			T	Ammo	ASR 1/4	2,000
1			T	Ammo	ASR 1/2	1,000
			T	Ammo	ASR 1	500