

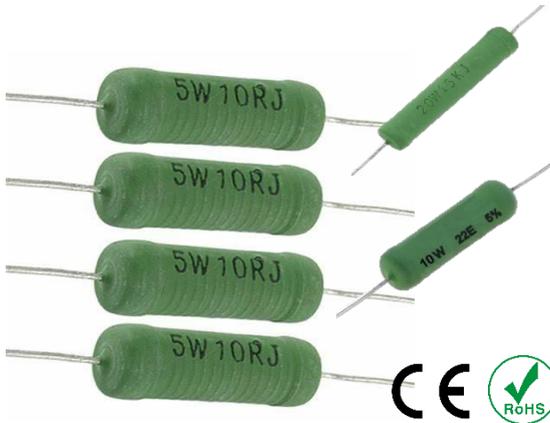


House of Resistors  
Since 1980

# APR RESISTRONIC PRIVATE LIMITED

Manufacturer Of: Wire Wound Resistor - Ceramic Encased Resistor – Dynamic Breaking Resistor - Load Bank

## APR - SILICONE COATED AXIAL LEAD RESISTOR- SA



The 'APR' SA series is a range of high stability, Wire Wound Power Resistors. It can be used in almost all electronic circuitry as a current limiting resistor and thus finds application in many areas like defence equipment, process control instrumentation, telecommunication, power supplies, audio, video etc. A wide range of resistance values are available in this series of Resistors.

### FEATURES:

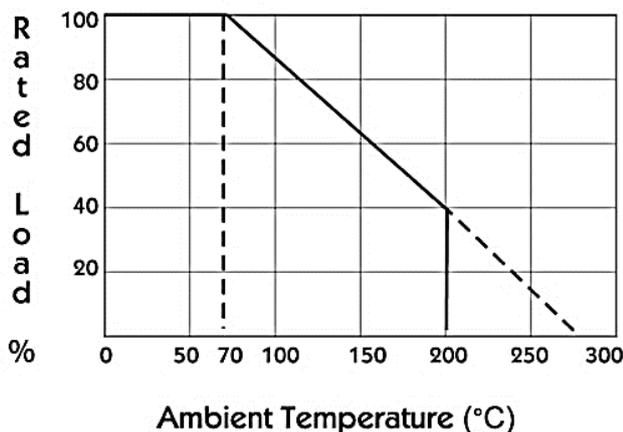
- ✓ Super heat dissipation
- ✓ Completely welded construction
- ✓ Non-flammable silicone coating
- ✓ High Loading Capacity at low dimensions
- ✓ Low Temperature Coefficient

## PERFORMANCE CHARACTERISTICS

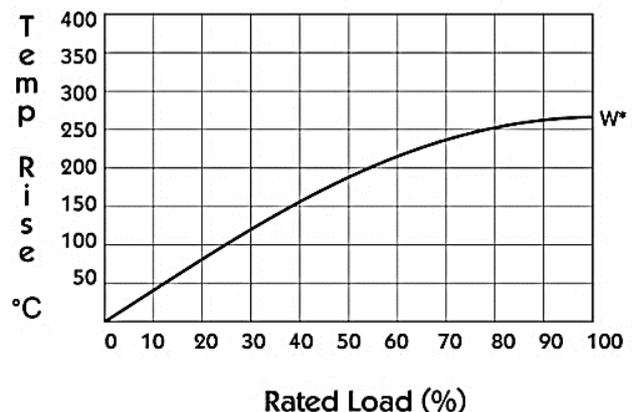
Characteristics	Condition	Compliance
Tolerance	For Values less than 0.1Ω For Values greater than 0.1Ω	± 5% to ±10% ± 0.5% to ±10%
Temperature Co-efficient		0-300 ppm° (depending on wire selected)
Continuous Power	Rated power @25°C	<270°C temperature on surface
Short Term Overload	5 x Rated Power for 5sec	R< ± (2% + 0.05Ω)
Operating Temperature	-25°C to 250°C	
Solder ability (where applicable)	Solder bath at 200± 5% °C	95% coverage
Insulation Resistance	Dry/Normal @500V DC	>1000MΩ

## ELECTRICAL CHARACTERISTICS

DERATING CURVE

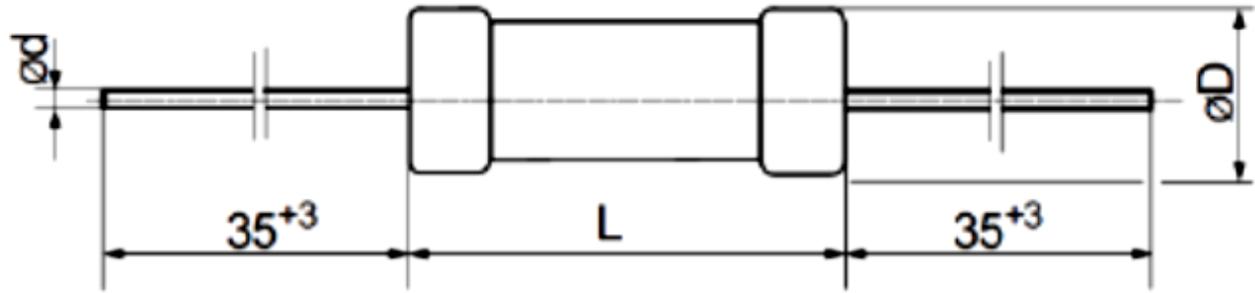


SURFACE TEMP CURVE AT 25°C



\*The surface temp curve will be more or less the same for all wattages. Hence, average curve shown.

## RESISTOR RANGE AND DIMENSIONAL DETAILS



Series	Rated Power (W)	Resistance Range	L	D	d
SA	3	0E01-8K	12	4	0.8
SA	4	0E01-8K	14	5	0.8
SA	5	0E01-10K	23	7	0.8
SA	6	0E01-10K	23	7	0.8
SA	10	0E01-15K	40	7	0.8
SA	12	0E01-20K	53	7	0.8
SA	15	0E01-25K	53	8	0.8
SA	20	0E01-25K	66	8	0.8

### Note:

1. Long and Thick leads available on request
2. Dimension with tolerance of +/- 1mm
3. Non-Inductive Resistor available on request
4. Standard Tolerance is 5% ( 0.5% -10% Available on request)
5. Resistors of any other R value, Rating, Tolerance, Dimension and TC are available on request.



**APR RESISTRONIC PRIVATE LIMITED**

Manufacturer Of: Wire Wound Resistor - DBR - Load Bank – Ceramic Encased Resistor

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