

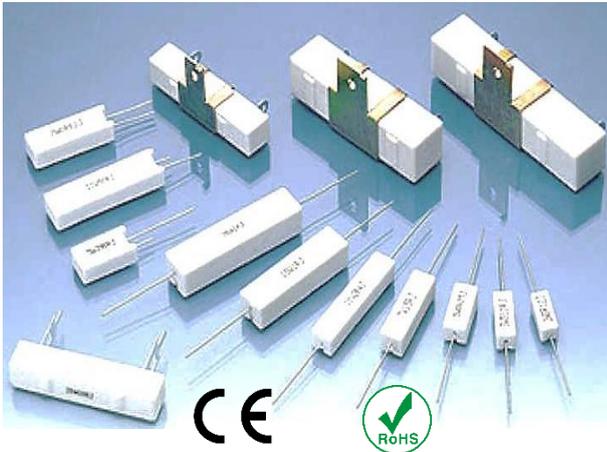


House of Resistors  
Since 1980

# APR RESISTRONIC PRIVATE LIMITED

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

## APR - CERAMIC ENCASED AXIAL LEAD RESISTOR- CE



The 'APR' CE series is a range of high stability, Wire Wound Power Resistors. Resistive wire we wound on ceramic rod tinned copper leads work as terminal which is connected to winding by spot welded caps. These resistors then inserted into ceramic square tubes. Ceramic tubes are not flammable hence property of resistors become non-flammable.

### FEATURES:

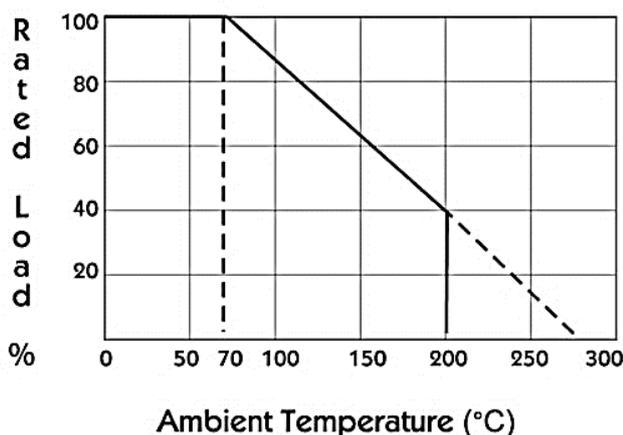
- ✓ High Surface Insulation Properties
- ✓ High Temperature Ceramic Filler with Flame Proof Property
- ✓ Exceptional Stability and Performance
- ✓ Low Temperature Coefficient
- ✓ Different Diameter Leads Also Available on Request
- ✓ Available in Non-Inductive Style

## PERFORMANCE CHARACTERISTICS

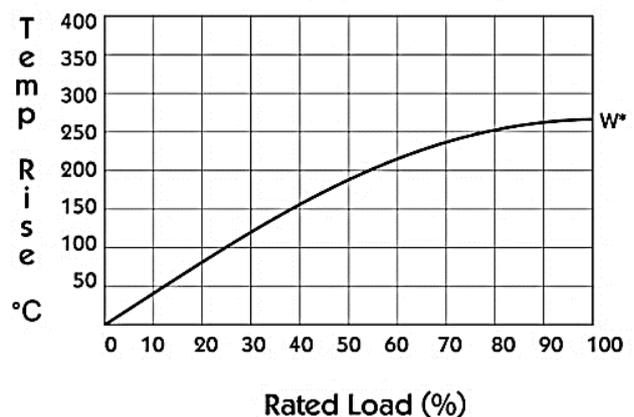
Characteristics	Condition	Compliance
Tolerance	For Values less than 1Ω For Values greater than 1Ω	± 5% to ±10% ± 1% to ±10%
Temperature Co-efficient		0-300 ppm° (depending on wire selected)
Continuous Power	Rated power @25°C	<272°C temperature on surface
Short Term Overload	10 x Rated Power for 5sec	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	>100MΩ

## ELECTRICAL CHARACTERISTICS

DERATING CURVE



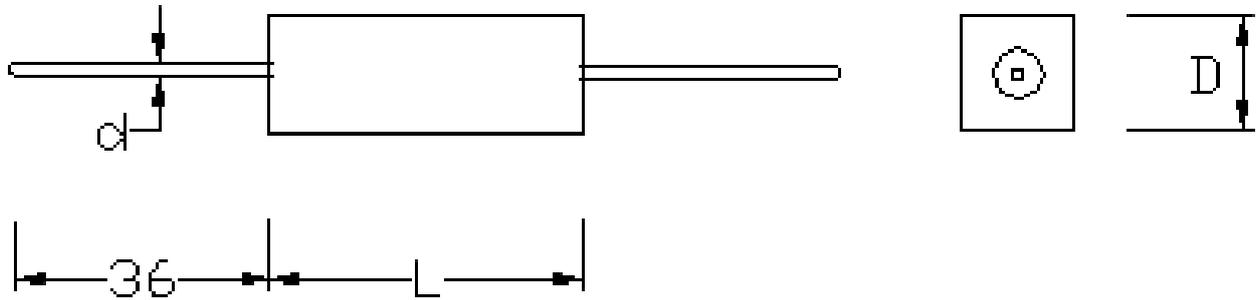
SURFACE TEMP CURVE AT 25°C



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

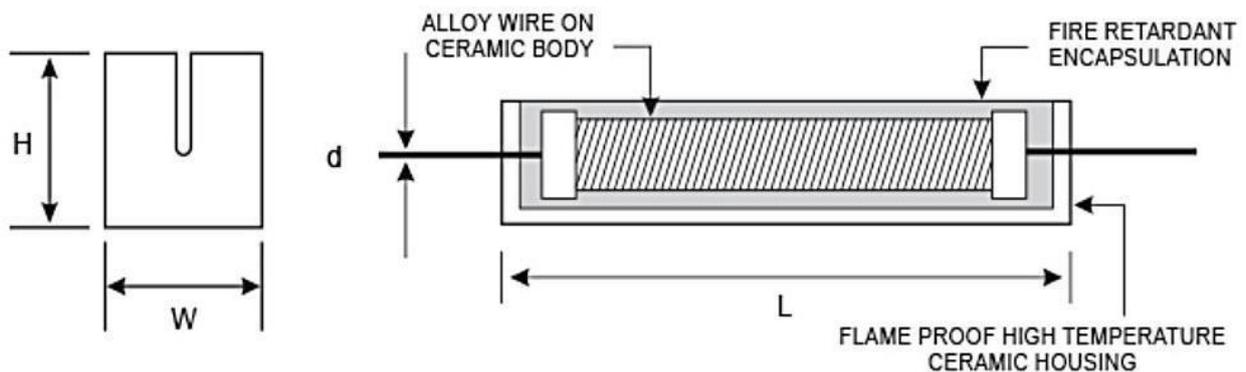
## RESISTANCE RANGE AND DIMENSIONAL DETAILS

### CERAMIC ENCASED AXIAL LEAD RESISTOR- CE



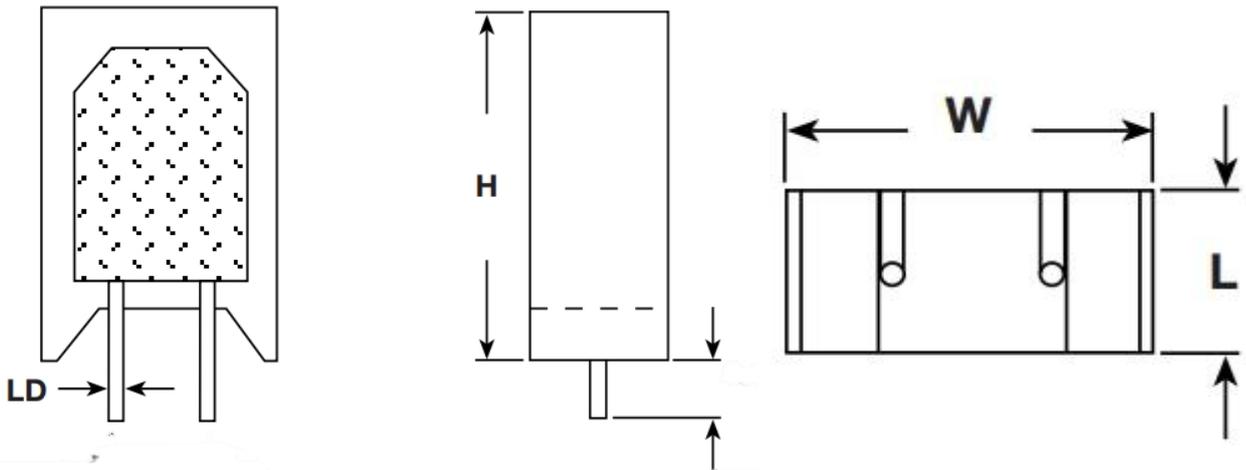
Series	Rated Power (W)	Resistance Range	L	D	d
CE	3	0E01-8K	16	7	0.8
CE	5	0E01-10K	25	9	0.8
CE	6	0E01-10K	25	9	0.8
CE	10	0E01-15K	38	9	0.8
CE	12	0E01-20K	50	9	0.8
CE	15	0E01-25K	50	9	0.8
CE	20	0E01-25K	50	12	0.8

### CERAMIC BOAT AXIAL LEAD RESISTOR- CB



Series	Resistance Range	L	W	H	d
CB-2W	0E01-3K	17.5	7.5	7	0.8
CB-3W	0E01-3K	22	8	8	0.8
CB-5W	0E01-5K	22	9.5	9.5	0.8
CB-10W	0E01-10K	38	9.5	9.5	0.8
CB-15W	0E01-15K	48	12.5	12.5	0.8
CB-20W	0E01-20K	63.5	12.5	12.5	0.8

# CERAMIC VERTICAL(M) RESISTOR- MV



Series	Rated Power (W)	Resistance Range	H	W	L	LD
MV	2.5	0E01-1K	20.5	11	7	0.8
MV	4	0E01-3K	25	12	7	0.8
MV	5	0E01-5K	25.5	13	9	0.8
MV	7	0E01-5K	38	12.5	9	0.8
MV	10	0E01-10K	35	16	12	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  
 Unit 1. 40, Datta Mhatre Compound, Near Pimpleshwar Temple, MIDC Ph II, Dombivali Dist Thane MH 421203  
 Unit 2. 102 Amar Industrial Estate, Near Shankheshwar Bldg, MIDC Ph II Dombivali Dist Thane MH 421204  
 Ph.:+91- 90-29505529/+91-96-23893583 Email: aprresistor@gmail.com Website: www.aprresistor.com



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