

APR – ALUMINIUM ENCASED POWER RESISTOR - AE



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:

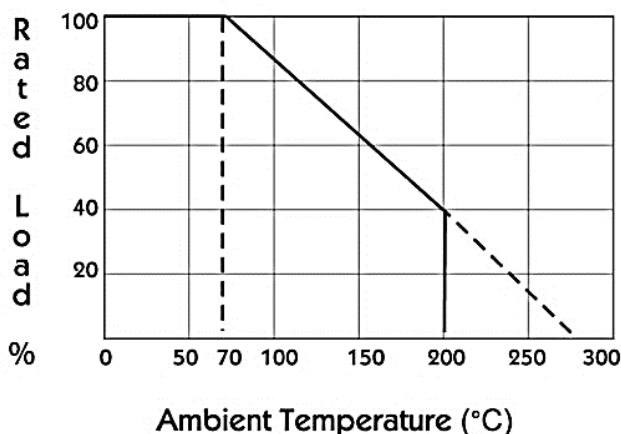
- ✓ Super heat dissipation
- ✓ Excellent Electrical stability, reliability
- ✓ High Loading Capacity at low dimensions
- ✓ Custom terminations, Mounting arrangements possible

PERFORMANCE CHARACTERISTICS

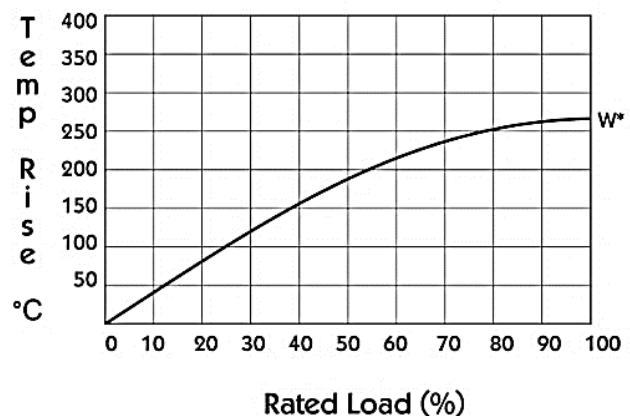
Characteristics	Condition	Compliance
Tolerance	For Values less than 0.1Ω For Values greater than 0.1Ω	± 5% to ±10% ± 0.5% to ±10%
Temperature Co-efficient	Dry/Normal	0-200 ppm° (depending on wire selected)
Continuous Power	Rated power @25°C	<270°C temperature on surface
Short Term Overload	5 x Rated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

ELECTRICAL CHARACTERISTICS

DERATING CURVE

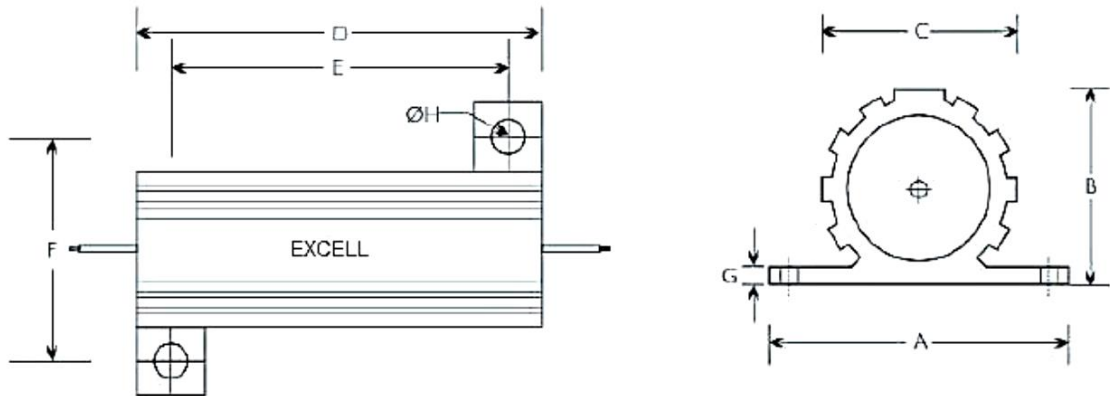


SURFACE TEMP CURVE AT 25°C



*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	A +/-1.5MM	B +/-1MM	C +/-1MM	D +/-2MM	E +/-1.5MM	F +/-1.5MM	G +/-0.5MM	H +/-0.5MM
AE10	3	0E01-8K	20.4	11	12.2	20.2	15	16	2	2
AE25	4	0E01-15K	28	15	15.3	27	18.4	21.5	2.1	3.5
AE50	5	0E01-25K	28	15	15.3	50	41.4	21.5	2.1	3.5
AE75	6	0E01-25K	47	25	26	49	39	37	3	5
AE100	10	0E01-30K	47	25	26	65	55	37	3	5
AE150	12	0E01-30K	47	25	26	98	88	37	3	5

Note:

1. Resistance value subject to availability of resistance wire
2. Dimension with tolerance of +/- 2 mm
3. Non-Inductive Resistor Available on request
4. Standard Tolerance is 5% (0.5% -10% Available on request)
5. Customized termination available.
6. Resistors of any other R value, Rating, Tolerance, Dimension and TC are available on request



Excell Mechanical Industries

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

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