

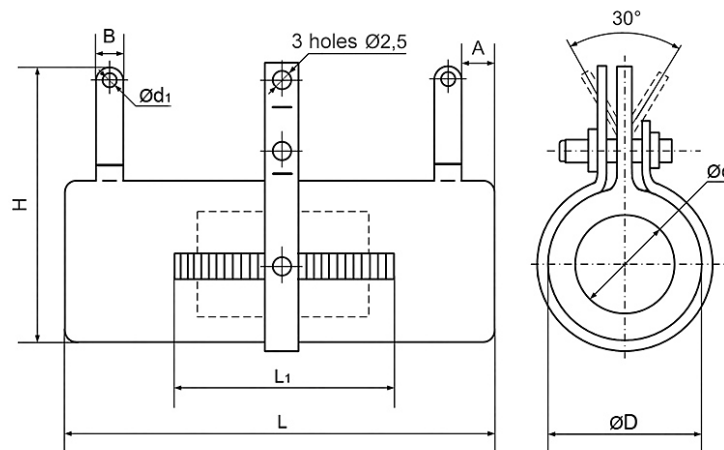
FEATURES

- Heat resistant insulation coating
- Excellent stability in operation
($<3\%$ change resistance)
- Ceramic tube
- Available series (Power):
7.5W, 10W, 15W, 25W,
50W, 75W, 100W, 160W



Wire tube adjustable resistors of common application, insulated, for overhead mounting. Resistors are designed for using in AC and DC circuits, providing current limitation and voltage distribution. Resistor resistance is adjusted by changing the position of the moving clamping collar (movable contact) along the case (tube).

DIMENSIONS AND WEIGHT



Series, Power	L, mm	L ₁ , mm	ØD, mm	H, mm	Ød, mm	Ød ₁ , mm	B, mm	A, mm	Weight, g
Resistor 7.5W	35	17	14	28	6	2	4.5	3.5	16
Resistor 10W	40	20							18
Resistor 15W	45	23	17	31	8	13	6	4.5	25
Resistor 25W	50	30	20	35	30				
Resistor 50W	90	65	30	43	20	3	6	4.5	95
Resistor 75W	140	110							135
Resistor 100W	170	144							185
Resistor 160W	220	175							245



Power Adjustable Resistors, Wire Wound, Tubular, Variable

Technical specification

Data Sheet

Power Resistors

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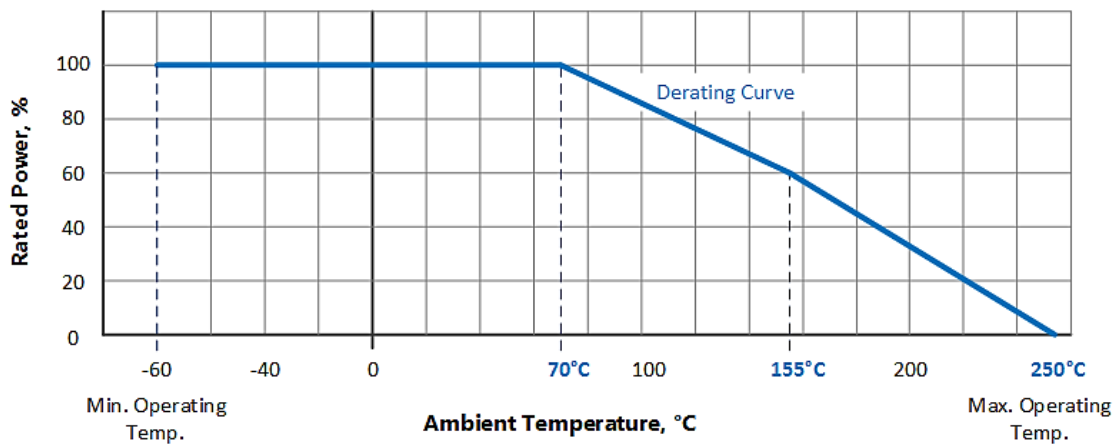
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STANDARD ELECTRICAL AND TECHNICAL SPECIFICATIONS

Power rating	7.5W, 10W, 15W, 25W, 50W, 75W, 100W, 160W
Resistance range	1 Ω – 100 k Ω
Series of nominal resistance values	E24
Resistance tolerance	$\pm 5\%$, $\pm 10\%$
Rated voltage	$V_{\max} = \sqrt{P_{\text{nom}} \cdot R_{\text{nom}}}$
Maximum working voltage	1400V
Operating temperature	-60°C ... +155°C
Raised ambient operating temperature	70°C
Relative humidity at 35°C without condensation	<98%
Temperature coefficient of resistance	± 500 ppm/°C
Insulation resistance	1000 MOhm
Life time	15000 hours

RATED POWER

The load power should be reduced based on the derating curve once the ambient temperature exceeds the rated values.



When resistor is to be exposed to a transient load (excessive large load, such as pulse), mount the resistor on your product and check the condition and evaluate the result.

RATED VOLTAGE

Constant application of a voltage above the rated voltage will degrade the performance and reliability of the resistor. Do not apply a voltage exceeding the rated voltage across any resistors.

Maximum Voltage is based on Ohm's Law: $V_{\max} = \sqrt{P_{\text{nom}} \cdot R_{\text{nom}}}$ or equals the limiting element voltage, whichever smaller, is the rated voltage.