



Power Resistors

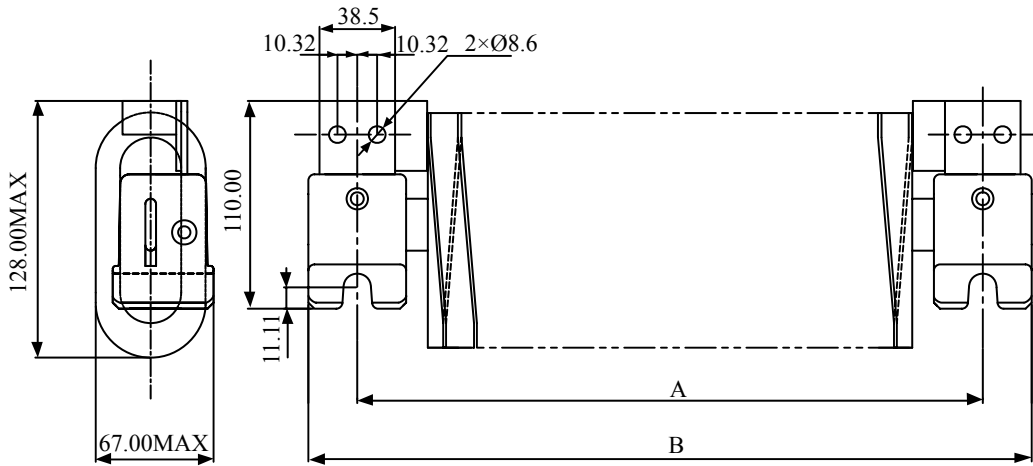
High Current Oval Edge-wound Power Resistors - DOE Series / 功率高电流椭圆形板式电阻

The choice when conditions demand top-notch performance, these resistors are commonly used for dynamic braking on Transit applications. Built to perform in rugged environments, they feature corrosion resistant stainless steel insulator supports, solid nickel terminals, and special electroless nickel-plated solid copper terminal supports. The resistance element is made of a stainless steel resistance alloy. Terminals are welded or silver brazed to the oval, spiral edge-wound resistance element. Toothed ceramic insulators isolate the resistance element from the center support. Ceramic end bushings insulate the center support from the mountings. Order individual replacement units or entire grids with various mounting configurations. Contact us with your specific needs.



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► Power Resistor DOE Type 550W - 3250W Standard Electrical Specification



Power Rating	A (mm)	B (mm)	Resistance Value Range
550W	244.5	295	1R~20R
900W	335	385.5	
1200W	419	470	
1500W	505	556	
1800W	588	638	
3250W	410	465	

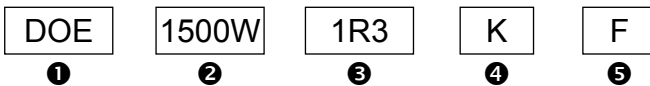


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► High Current Oval Edge-wound Power Resistors Performance Specification

TEST ITEM	TEST METHODS	CHARACTERISTICS
Resistance tolerance	JIS-C-5202 5-1	Resistance Nominal Tolerance $\pm 10\%$ (K)
Temperature coefficient	JIS-C-5202 5-2	$\pm 300\text{ppm}/^\circ\text{C}$ max.
Power rating load	JIS-C-5202 5-4	$R/R \leq \pm(1\%+0.1\Omega)$ Surface temperature up 350°C max.
Dielectric withstanding voltage	JIS-C-5202 5-7 2000VDC 1 minute Between terminal and anchor stand	Free of appearance or structural irregularity $\Delta R/R \leq \pm(1\%+0.1\Omega)$
Terminal strength	JIS-C-5202 6-1 500N 30 seconds	Free of appearance or structural irregularity
Insulation resistance	JIS-C-5202 5-6 500VDC	100M Ω min
Short-term overload	JIS-C-5202 5-5 1000% rated power 5 seconds	Free of appearance or structural irregularity $\Delta R/R \leq \pm(2\%+0.1\Omega)$
Vibration	JIS-C-5202 6-3 490m/s ² 11ms	Free of appearance or structural irregularity Surface coating crack $\Delta R/R \leq \pm(2\%+0.1\Omega)$
Remarks	Resistance and resistance tolerance were tested in-house with micro resistance meter.	

► How to Order



- ❶ Product Type: DOE type
- ❷ Rated Power: 1500W
- ❸ Resistance Value(Ω): 1R3
- ❹ Resistance Tolerance ($\pm 10\%$): K
- ❺ Lead Free: F

