

压铸铝电阻器

Die-Casting Aluminum Resistor

产品简述 (Product Profile)

REHT 系列压铸铝电阻器其耐振性、防护等级、耐冲击性、热阻小等由于传统的铝壳电阻器，适用于加热模块上电缓冲，变频制动，伺服系统等场合，能应用于环境比较恶劣的场合。

REHT series aluminum die-casting resistors are applicable to harsh environments, which are superior to traditional aluminum enclosure resistors in resistance to vibration, protection grade, impact resistance, small heat resistance, applicable to the buffer of the electric heating module, conversion braking, servo system and so on.

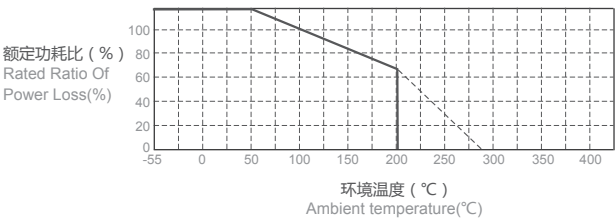


产品特点 (Product Features)

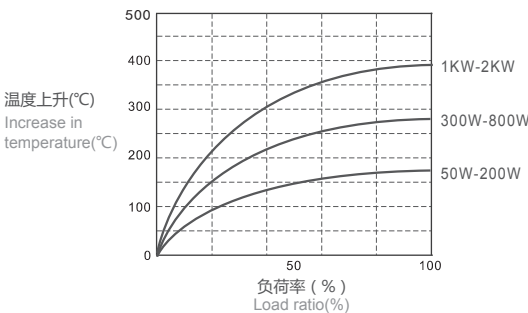
- 1. 额定功率范围: 60W-2000W
- 2. 工作电压范围: $\leq 690V$
- 3. 额定阻值范围: 2Ω - 500Ω
- 4. 耐压范围: AC2000V 50Hz/5S
- 5. IP等级: IP00/IP54
- 6. 优势: 防护等级高，抗振性好，热阻小，抗冲击性好
- 7. 劣势: 电压等级比较低

- 1. Rated power range: 60W-2000W
- 2. Operating voltage range: $\leq 690V$
- 3. Rated resistance range: 2Ω - 500Ω
- 4. Dielectric strength: AC2000V 50Hz/5S
- 5. IP rating: IP00/IP54
- 6. Advantages: high protection level, good vibration resistance, low heat resistance, good performance under surge current
- 7. Disadvantages: low voltage grade

降额曲线 (Derating Curve)



表面温升 (Surface Temperature Rise)



产品尺寸图 (Product Size)

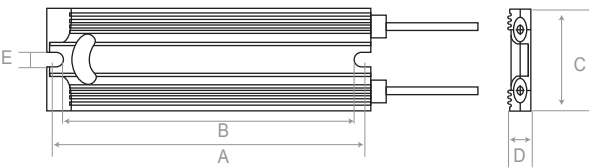


图 A Picture A

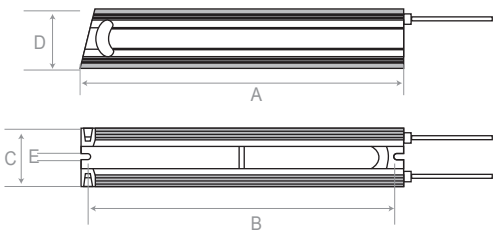


图 B Picture B

产品尺寸表 (Product Size)

规格 Type	功率 Rated power(W)	外型图 Product picture	尺寸 Dimension(mm)					配线 Connecting wire(mm)	引线长度 Lead length (mm)	接线端子 Terminal	重量 Weight(Kg)	阻值 Resistance value(Ω)
			A	B	C	D	E					
REHT	60	图 A Picture A	115	98	38	14	5.5	2.5	500	2-5S	0.15	2Ω-100Ω
REHT	80		115	98	38	14	5.5	2.5	500	2-5S	0.15	2Ω-100Ω
REHT	100		165	148	38	14	5.5	2.5	500	2-5S	0.19	2Ω-100Ω
REHT	120		165	148	38	14	5.5	2.5	500	2-5S	0.19	2Ω-100Ω
REHT	150		215	198	38	14	5.5	2.5	500	2-5S	0.25	2Ω-100Ω
REHT	200		165	147	60	23	5.5	2.5	500	2-5S	0.47	2Ω-200Ω
REHT	300		215	198	60	23	5.5	2.5	500	2-5S	0.66	2Ω-200Ω
REHT	400		265	247	60	23	5.5	2.5	500	2-5S	0.79	2Ω-200Ω
REHT	500		335	317	60	23	5.5	2.5	500	2-5S	0.95	2Ω-200Ω
REHT	800		400	384	50	50	5.5	4	500	3.5-6S	1.14	2Ω-500Ω
REHT	1000	图 B Picture B	400	384	50	50	5.5	4	500	3.5-6S	1.14	2Ω-500Ω
REHT	1200		485	384	50	50	5.5	4	500	3.5-6S	1.50	2Ω-500Ω
REHT	1500		485	469	50	50	5.5	4	500	3.5-6S	1.50	2Ω-500Ω
REHT	2000		550	534	50	50	5.5	4	500	3.5-6S	1.79	2Ω-500Ω

(其他技术参数要求, 请垂询我司业务 For other technical parameters & requirments, please concact our company's salespeople)

电气、机械特性 (Mechanical And Electrical Properties)

特性 Property	检查方法 Inspection method	性能要求 Performance requirements	试验标准 Test method
稳态湿热 Constant humidity-heat	40°C 相对湿度90% 96h	$R \leq \pm(5\% \pm 0.05\Omega)$	GB5729.2.24
温度快速变化 Temperature change	-55°C +55°C 3次循环	$R \leq \pm(2\% \pm 0.05\Omega)$	GB5729.4.19
短时过负荷 Transient overload	10倍Pr 5S	无可见损伤 No visible destruction $R \leq \pm(1\% \pm 0.05\Omega)$	GB5729.4.13
绝缘电阻 Insulation resistance	DC 1000V	$R \geq 100M\Omega$	GB5729.4.6
耐电压 Voltage resistibility	AC2000V 50Hz 5s	无击穿或飞弧 Free of breakage or flying arc	GB5729.4.7
负荷寿命 Life	25°C Ur 1000h	$R \leq 20\%$	
端子强度 Terminal strength	45N 30S	无可见损伤 $R \leq \pm(1\%R + 0.05\Omega)$ Free of visible destruction	GB5729.4.16
电阻体强度 Resistor strength	200N 30S	无可见损伤 Free of visible destruction	GB5729.4.15
耐振性 Vibration resistibility	f:5-200HZ a=3g X.Y.Z各2h	无可见损伤 $R \leq \pm(1\%R + 0.05\Omega)$ Free of visible destruction	IEC-6072/-3-32002

成品识别码 (Product Identification Code)

REHT	2K00	20R	K	J
产品类别 Product type	功率 Rated power 50W-2000W 0020-20W 2K00-2KW	电阻阻值 Resistance value(ohm) (Ω)indicates resistance value in units of ohms	电阻阻值误差 Resistance tolerance H=±3% K=±10% J=±5%	接线 Connection H=引线 Lead

REHT.2K00.0020.9999H(“9999H”表示常规品, 此款产品为常规品2kW/20R压铸铝电阻器

9999H means standard product, 2kW/20R Die-Casting Aluminum Resistor)

REHT.2K00.0020.6218A(“6218A”表示客户代码, 此款产品为客户定制的2kW/32R压铸铝电阻器

6218A means customer code, customer non-standard product 2kW/20R Die-Casting Aluminum Resistor)

仿真图 (Simulation Picture)

(仿真图, 见P93图C Simulation Picture, Please refer to Page 93, Picture C)