

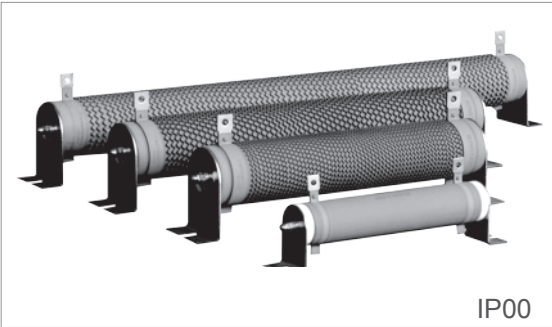
波纹电阻器

Wire Wound Resistor

产品简述 (Product Profile)

在圆柱形的陶瓷管上固定了两个引出端子，瓷管表面上缠绕了扁带波浪形状的合金电阻丝，并在其表面涂覆一层具有阻燃，耐高温特性的涂层，涂料为无机材料，环保、无烟、无异味。陶瓷管作为电阻丝骨架的同时，又具有散热器的功效。本品可按照客户的要求定制。本品适用于模拟负荷实验，设备放电，自动控制，变频器能耗制动等。

Two terminal extensions are fixed on both ends of a ceramic tube on whose surface winds wave-shaped alloy resistance wire and a high temperature-resistant and fireproof coating are applied. The coating made of inorganic materials are environmentally friendly, without smoke or undesirable odor. The ceramic tube can function as resistance wire skeleton and heat radiator as well . This product can be customized to meet special needs of customers and applicable to simulation load test, equipment discharge, automated control and inverter's energy loss brake.



产品特点 (Product Features)

1. 额定功率范围：50W~2500W

2. 工作电压范围：<1.2kV

3. 额定阻值范围：1R~10KR

4. 耐压范围：AC3KV 50Hz/5S

5. IP等级：IP00

6. 载流体材料：0Cr25AL5

7. 优势：可做高电压等级

8. 劣势：抗震性较差
1. Rated power range: 50W-2500W

2. Operating voltage range: <1.2kV

3. Rated resistance range: 1R-10KR

4. Dielectric strength: AC3KV 50Hz/5s

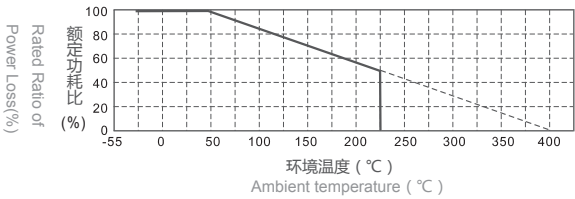
5. IP rating: IP00

6. Element material : 0Cr25AL5

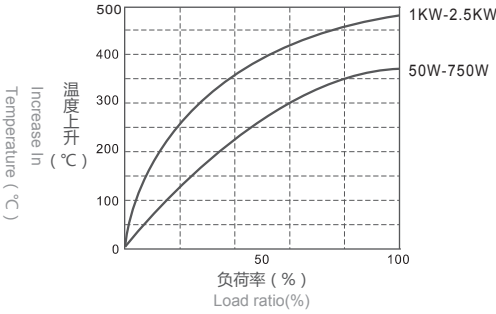
7. Advantage: high voltage application

8. Disadvantage: low vibration resistance level

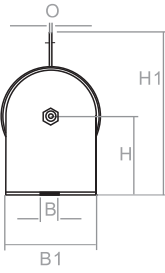
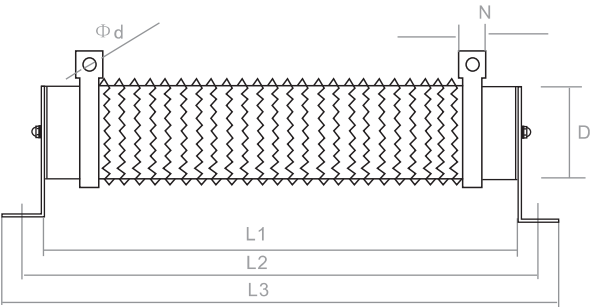
降额曲线 (Derating Curve)



表面温升 (Surface Temperature Rise)



产品尺寸图 (Product Size)



选型表 (Selection Table)

额定功率(W) Rated power(W)	尺寸 Dimension(mm)											重量 Weight(kg)	阻值范围 Resistance range(Ω)
	L1 (± 2)	L2 (± 5)	L3 (± 3)	D (± 2)	B	B1	H	H1 (± 3)	N	Φd	O		
50	102	124	146	28	6.5	28	28	62	9.5	4.5	1.2	0.15	1 Ω -10K Ω
60	102	124	146	28	6.5	28	28	62	9.5	4.5	1.2	0.15	1 Ω -10K Ω
80	152	174	196	28	6.5	28	28	62	9.5	4.5	1.2	0.2	1 Ω -10K Ω
100	182	204	226	28	6.5	28	28	62	9.5	4.5	1.2	0.24	1 Ω -10K Ω
120	182	204	226	28	6.5	28	28	62	9.5	4.5	1.2	0.24	1 Ω -10K Ω
150	197	219	241	40	8	40	41	86	12	5.5	2.0	0.43	1 Ω -10K Ω
200	197	219	241	40	8	40	41	86	12	5.5	2.0	0.43	1 Ω -10K Ω
300	284	306	328	40	8	40	41	86	12	5.5	2.0	0.62	1 Ω -10K Ω
400	284	306	328	40	8	40	41	86	12	5.5	2.0	0.62	1 Ω -10K Ω
500	318	340	362	40	8	50	45	99	16	6.5	2.0	0.7	1 Ω -10K Ω
600	347	369	391	40	8	40	41	86	12	5.5	2.0	0.72	1 Ω -10K Ω
750	318	340	362	50	8	50	45	99	16	6.5	2.0	0.72	1 Ω -10K Ω
1000	302	327	352	60	8.5	60	60	119	16	6.5	2.0	1.04	5 Ω -10K Ω
1200	417	442	467	60	8.5	60	60	119	16	6.5	2.0	1.04	5 Ω -10K Ω
1500	417	442	467	60	8.5	60	60	119	16	6.5	2.0	1.72	5 Ω -10K Ω
2000	512	537	562	60	8.5	60	60	119	16	6.5	2.0	2.02	5 Ω -10K Ω
2500	602	627	652	60	8.5	60	60	119	16	6.5	2.0	2.45	5 Ω -10K Ω

ROHS规格品需在定单中描述(其他技术参数要求, 请垂询我司业务)

ROHS request should be noted in the orders.(For other parameter requirements, please consult our 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 Temperature 40°C, RH90% 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 -55°C to +55°C, 3 Cycles	$R \leq \pm(2\% \pm 0.05\Omega)$	GB5729.4.19
短时过负荷 Transient overload	10倍Pr 5S 10 Time 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	AC3000V 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=1g X.Y.Z各2h	无可见损伤 $R \leq \pm(1\%R + 0.05\Omega)$ Free of visible destruction	GB5729.4.22

成品识别码 (Product Identification Code)

RXHG	2K00	0032	9999M	K
产品类别 Product Type	功率 Rated power 50W-2500W 0020-20W 2K00-2KW	电阻阻值Resistance value(ohm) (Ω)indicates resistance value in units of ohms 0R08-0.08 Ω / 0032-32 Ω /8K00-8K Ω	接线 Connection M=端子 Terminal	电阻阻值误差 Resistance tolerance H=±3% K=±10% J=±5%

RXHG.2K00.0032.9999M(“9999M”表示常規品, 此款产品为常規品2kW/32 R 波纹电阻器 9999M means standard product, 2kW/32R Wire Wound Resistor)

RXHG.2K00.0032.6218A(“6218A”表示客户代码, 此款产品为客户定制的2kW/32 R 波纹电阻器

6218A means customer code, customer non-standard product 2kW/32R Wire Wound Resistor)