



特点 Features

- 完全焊接结构 Complete welded construction
- 宽阻值范围 Wide resistance range : $0.1\ \Omega \sim 100K\ \Omega$
- 阻值公差 Resistance tolerance : $\pm 0.05\%$
- 高温硅胶涂层 High temperature silicone coating
- 提供非感应式 Available in non-inductive style (type N)
- 提供特殊匹配 (温度系数和公差)
Special matching available (T.C.R and Tolerance)

材料规格 Material Specifications

- 电阻芯: 陶瓷-滑石或氧化铝, 根据物理尺寸而定

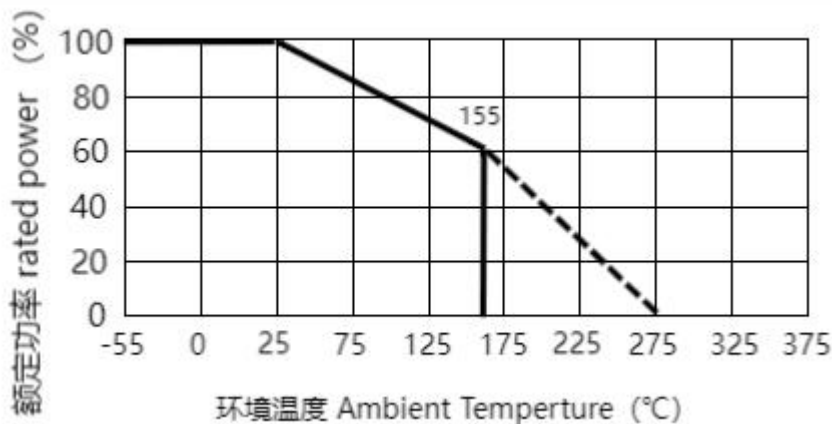
Core: Ceramic steatite or alumina, depending on physical size

- 绕线丝: 铜镍合金或镍铬合金, 具体取决于阻值

Element: Copper- nickel alloy or Nickel - chrome alloy, depending on resistance value

- 端帽: 钢帽 End caps: Steel caps
- 涂层: 特殊耐高温硅胶 Coating: Special high-temperature silicone
- 标准端子: 镀锡铜焊接 Standard terminal: Tinned copper weld

降额曲线图 Derating Curve



- RW 绕线电阻的工作温度范围为 $-55^{\circ}\text{C} \sim +350^{\circ}\text{C}$
Wire wound resistors have an operating temperature range $-55^{\circ}\text{C} \sim +350^{\circ}\text{C}$
- 必须根据曲线在高温环境下降低其额定值
They must be derated at high ambient temperature according to the curves

电气规格 Electrical Specifications

温度系数 Temperature coefficient:

- | | |
|--|--|
| 低于 $1\ \Omega$: $\pm 90\text{PPM}/^{\circ}\text{C}$ | Below $1\ \Omega$: $\pm 90\text{PPM}/^{\circ}\text{C}$ |
| $1\ \Omega \sim 9.9\ \Omega$: $\pm 50\text{PPM}/^{\circ}\text{C}$ | $1\ \Omega \sim 9.9\ \Omega$: $\pm 50\text{PPM}/^{\circ}\text{C}$ |
| $10\ \Omega$ 及以上: $\pm 20\text{PPM}/^{\circ}\text{C}$ | $10\ \Omega$ and above: $\pm 20\text{PPM}/^{\circ}\text{C}$ |

(如有特殊温度系数要求, 欢迎咨询 consult with factory for special T.C.R. requirement)

最低 500 伏交流电 500 V AC MIN.

绝缘电阻: 干燥时最低 1000M ohm, 湿度测试后最低 100M ohm

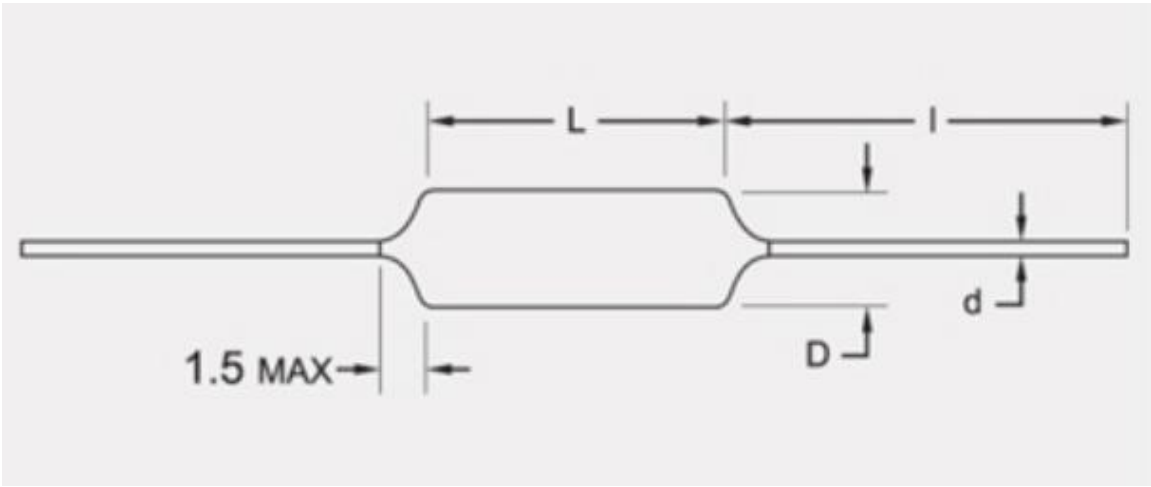
Insulation Resistance: 1000 M ohm minimum dry, 100 M ohm minimum after moisture test

类型 TYPE	额定功率 Wattage Rating (W)	最大工作电压 Maximum Working Voltage	电阻范围 Resistance Range (Ω)	
			W (0.1-)	N (0.1-)
RW-0.5	0.5W	20	3K	1.5K
RW-1	1W	50	8K	3K
RW-2	2W	100	10K	4K
RW-3	3W	200	18K	9K
RW-5	5W	400	35K	17K
RW-7	7W	450	50K	25K
RW-10S	10W	700	70K	35K
RW-10L	10W	800	100K	50K

性能指标 Performance evaluation

测试项目 Test	HMR 最大值 HMR Maximum
负载寿命 Load Life	± (5%+0.05 Ω) △R
防潮性 Moisture Resistance	± (2%+0.05 Ω) △R
温度系数 Temp Coefficient	20~90 PPM/℃
热冲击 Thermal Shock	± (2%+0.05 Ω) △R
短时过载 Short Time-Overload	± (2%+0.05 Ω) △R
绝缘体 Dielectric	± (1%+0.05 Ω) △R
低温存储 Low Temp Storage	± (2%+0.05 Ω) △R
高温暴露 High Temp Exposure	± (5%+0.05 Ω) △R
冲击 Shock	± (1%+0.05 Ω) △R
震动 Vibration	± (1%+0.05 Ω) △R
终端强度 Terminal Strength	± (1%+0.05 Ω) △R

规格参数 Specification parameter



型号 Type	尺寸 Dimension (mm)			
	D (±0.8)	L (±1.5)	D (±0.02)	l (±1)
RW-0.5	3.3	10	0.7	37
RW-1	4	12	0.8	37
RW-2	4.7	13.8	0.8	35
RW-3	5.9	15.7	0.8	35
RW-5	8.52	22.5	1.0	44
RW-7	8.52	24.5	1.0	44
RW-10S	8.52	39.2	1.0	35
RW-10L	10.5	46.2	1.0	33

订购信息 ordering information

选型示例: RW3N-200RF Selection example:RW3N-200RF				
RW	3	W	300R	F
型号 Type	额定功率 Rated Wattage	W: 有感 Inductive N: 无感 Non-Inductive	阻值 Resistance Value 300R=300Ω	精度 Resistance Tolerance F= ± 1% J= ±5%