

# Product Specification

Number: L-KLS6-RNF-10W-20R-BP

Name: High precision resistor

Customer: D02

Date: 2023-09-28

Customer Signature:

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		产品规格书specification	1.0
	<b>RNF高功率高精密金属膜膜 压电阻 - RNF Series</b>	文件编号 number	页号Page number
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Serial number	Revision date	Revised content	Revision page	Amendment person	Approved person



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**RNF高功率高精密金属膜膜  
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### 范围 Applicable Range

本规格书制定高功率高精密金属膜膜压电阻器的质量标准和验收规则。

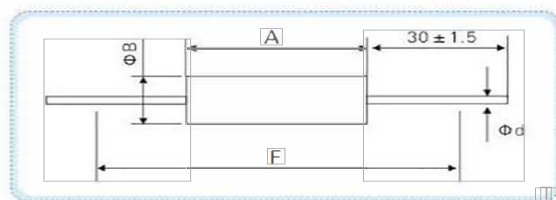
This specification establishes the quality standards and acceptance rules for high-power and high-precision metal film voltage resistors.

### 产品特点 Features

1. 模压，绝缘，防潮湿。  
Molded, insulation.moisture proof.
2. 高可靠，高稳定，高精度。  
High reliability, high stability high precision.



### 技术说明 Technical Specifications



尺寸单位: mm

料号 Type	额定功率Rate Power (W) Ambient temperature=25°C	阻值范围Resistance Range (Ω)		尺寸			
		最小值Min	最大值Max	A±0.25	B±0.25	d	F
RNF	3	R002-R1	R2-10K	14.8	5.2	0.8	34.0
	4	R005-R1	R5-15K	19.0	7.0	1.0	38.0
	5	R005-1R	1R-24K	24.0	8.4	1.0	44.0
	7	R005-1R	1R-24K	27.0	9.5	1.0	47.0
	10	R01-1R	1R-39K	46.5	10.0	1.0	66.0

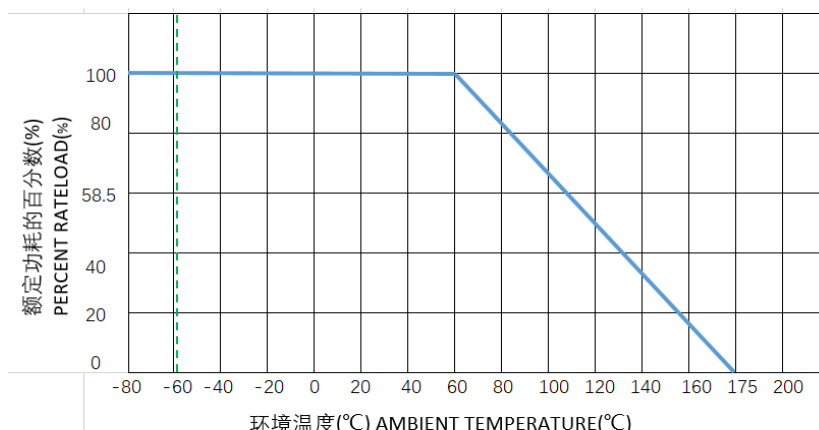
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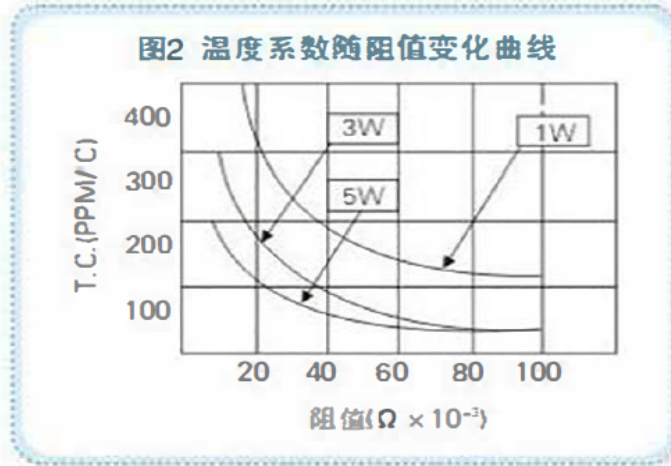
**RNF高功率高精密金属膜膜  
压电阻 - RNF Series**

■ 性能指标Performance

测试项目 Test Item	性能要求 Specifications
精度Tolerances	±0.1% (B) ±0.5% (D) ±1% (F) ±2% (G) ±5% (J)。
温度系数Temperature	见图2。
绝缘电压Insulation voltage	500V. $\Delta R \leq \pm 0.1\%R$ 。
绝缘电阻Insulation resistance	$\geq 1G\Omega$
温度范围Temperature range	-55~175°C。
降功能Derating	当环境温度由25°C升至175°C时，电阻器允许负荷由额定功率的100%降至0%。
长期试验Load life P70°C. 1000hrs	$\Delta R \leq \pm 1\%R$ 。
稳态湿热Damp head. steady state 40°C, 93% r. h 21d	$\Delta R \leq \pm 0.2\%R$ 。
引出端强度Terminal tensile strength	$\Delta R \leq \pm 0.1\%R$ 。
耐焊接热Resistance to sold. heat 350°C, 3.5s	$\Delta R \leq \pm 0.1\%R$ 。
可焊性Solderability	IEC68-2-20 (1968) 槽焊法、235±0.5°C. 2±0.5s (solder bath method)。

■ 降功耗曲线Technical Specifications A





■ 订货编码Part Numbering

Order Information:

L - KLS6 - RNF - 10W - 20R - B P

RoHS	High precision resistor	Power (W)	Resistance (Ω)		Tolerance (%)		Temperature Coefficient	
		3W	1R0	1Ω	B	±0.1%	J	±5ppm
		4W	20R	20Ω	D	±0.5%	K	±10ppm
		5W	100R	100Ω	F	±1%	M	±15ppm
		7W	1K	1000Ω	G	±2%	P	±25ppm
		10W			J	±5%	S	±50ppm