

# THICK FILM (PRECISION)



## RK73H 矩形片式电阻器 (精密级) Flat Chip Resistors (Precision Grade)



外观颜色: 黑色 (1F、1H)  
蓝色 (1E、1J、2A、2B、2E、W2H、W3A、W3A2)  
Coating color: Black (1F, 1H),  
Blue (1E, 1J, 2A, 2B, 2E, W2H, W3A, W3A2)

### 特点 Features

- 小型、轻量。
- 由于电阻保护膜使用了金属厚膜，因此耐热性、耐候性优异。
- 电极三层结构，具有稳定性和高信赖性。
- 对应编带、散装方式等各种自动贴装机。
- 对应回流焊、波峰焊。
- 端子无铅品，符合欧盟RoHS。电极、电阻膜层、玻璃中所含的铅玻璃不适用欧盟RoHS指令。
- AEC-Q200相关数据已取得(除1F)。
- Small size and light weight.
- Excellent heat resistance and weather resistance are ensured by the use of metal glaze thick film.
- High stability and high reliability with the triple-layer structure of electrode.
- Applicable to various kinds of automatic mounters for taping, etc.
- Suitable for both flow and reflow solderings.
- Products with lead free termination meet EU-RoHS requirements. EU-RoHS regulation is not intended for Pb-glass contained in electrode, resistor element and glass.
- AEC-Q200 qualified (Exemption 1F).

### 品名构成 Type Designation

品种 Product Code	额定功率 Power Rating	端子表面材质 Terminal Surface Material	二次加工 Taping	公称电阻值 Nominal Resistance	阻值允许偏差 Resistance Tolerance
RK73H	1F: 0.03W 1H: 0.05W 1E: 0.1W 1J: 0.1W 2A: 0.125W 2B: 0.25W 2E: 0.5W W2H: 0.75W W3A: 1W W3A2: 2W	T: Sn G: Au (L: Sn/Pb <sup>3)</sup> )	TX: 4mm width-1mm pitch plastic embossed TA: 1mm pitch press paper TBL: TC, TCM: 2mm pitch press paper TPL: TP: 2mm pitch punch paper TD: 4mm pitch punch paper TE: 4mm pitch plastic embossed BK: Bulk	1002 4 digits	D: ±0.5% F: ±1%

※2 镀金电极，有1E、1J、2A (10Ω~1MΩ) 对应  
由于规格不同，请向本公司咨询。  
※3 1F、1H、W2H、W3A、W3A2尺寸只对应端子表面材质T。  
※2 Products with gold plated electrodes are also available with 1E, 1J and 2A types (10Ω~1MΩ), so please consult with us.  
※3 With type 1F, 1H, W2H, W3A, W3A2 only T is available as the terminal surface material.

端子表面材质，以无铅品为准。  
欲知关于此产品含有的环境负荷物质详情(除EU-RoHS以外)，  
请与我们联系。  
编带细节参照卷末附录C。  
The terminal surface material lead free is standard.  
For further information on taping, please refer to APPENDIX C on the back pages.

### 结构图 Construction

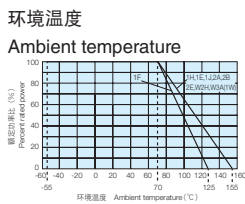


### 外形尺寸 Dimensions

型号 Type (Inch Size Code)	尺寸 Dimensions (mm)					Weight (g) (1000pcs)
	L	W	c	d	t	
1F (01005)	0.4±0.02	0.2±0.02	0.10±0.03	0.11±0.03	0.13±0.02	0.04
1H (0201)	0.6±0.03	0.3±0.03	0.1±0.05	0.15±0.05	0.23±0.03	0.14
1E (0402)	1.0 <sup>+0.1</sup> <sub>-0.05</sub>	0.5±0.05	0.2±0.1	0.25 <sup>+0.05</sup> <sub>-0.1</sub>	0.35±0.05	0.68
1J (0603)	1.6±0.2	0.8±0.1	0.3±0.1	0.3±0.1	0.45±0.1	2.14
2A (0805)	2.0±0.2	1.25±0.1	0.4±0.2	0.3 <sup>+0.2</sup> <sub>-0.1</sub>	0.5±0.1	4.54
2B (1206)	3.2±0.2	1.6±0.2	0.5±0.3	0.4 <sup>+0.2</sup> <sub>-0.1</sub>	0.6±0.1	9.14
2E (1210)		2.6±0.2				15.5
W2H (2010) <sup>※1</sup>	5.0±0.2	2.5±0.2	0.65±0.15	0.65±0.15	0.6±0.1	24.3
W3A (2512) <sup>※1</sup>	6.3±0.2	3.1±0.2				37.1
W3A2 (2512) <sup>※1</sup>						

※1 也对应RK73H 2H·3A·3A2 (“d”尺寸不同。“d”尺寸=0.4<sup>+0.2</sup><sub>-0.1</sub> mm)  
※1 RK73H 2H, 3A and 3A2 are also still available (different “d” dimensions=0.4<sup>+0.2</sup><sub>-0.1</sub> mm)

### 负荷减轻特性曲线 Derating Curve



环境温度  
Ambient temperature  
在环境温度70℃以上使用时，应参照上图负荷减轻特性曲线，减小额定功率。  
For resistors operated at an ambient temperature of 70°C or above, a power rating shall be derated in accordance with the above derating curve.



端子部温度  
Terminal part temperature  
超过上述端子部温度使用时，请根据负荷减轻特性曲线减小额定功率后使用。  
※有关使用方法，请参照卷首的“端子部温度负荷减轻特性曲线的说明”。  
For resistors operated terminal part temperature of described for each size or above, a power rating shall be derated in accordance with derating curve.  
※Please refer to “Introduction of the derating curves based on the terminal part temperature” on the beginning of our catalog before use.



### 参考标准 Reference Standards

- IEC 60115-8
- JIS C 5201-8
- EIAJ RC-2134C

