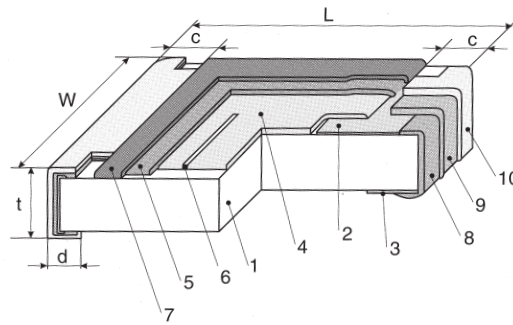
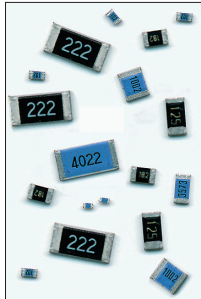


FLAT CHIP

THICK FILM

ANTI SULFURATION

RK73□RT



STRUCTURE

- 1 Ceramic substrate
- 2 Top termination
- 3 Bottom termination
- 4 Resistive layer
- 5 Glass layer
- 6 Trimming cut
- 7 Protective layer
- 8 End termination
- 9 Diffusion barrier (Ni)
- 10 Solder plating

IDENTIFICATION

TYPE	COATING COLOR	MARKING
RK73H□RT	Blue	Depends on size, tolerance and series. Please refer to detailed specification.
RK73B□RT	Black	

All these products have Pb-free terminations and meet EU-RoHS requirements

TYPE DESIGNATION (HOW TO ORDER)

RK73H	1J	RT	TD	2212	F	Contact us when you have control request for environmental hazardous material other than the substance specified by EU-RoHS
PRODUCT CODE RK73B, RK73H	STYLE 1E, 1J, 2A, 2B, 2E, W2H, W3A	TERMINATION SURFACE MATERIAL RT: Sn	TAPING* TP, TD, TE, BK *Please see "PACKAGING"	NOMINAL RESISTANCE RK73B: 3 digits RK73H: 4 digits	TOLERANCE D: (±0.5%), F: (±1%) G: (±2%), J: (±5%)	

FEATURES

- Excellent anti-sulfuration characteristic due to using high sulfuration-proof inner top electrode material
- Anti-leaching nickel barrier terminations
- Excellent heat resistance and moisture resistance are ensured by the use of metal glaze thick film
- High stability and high reliability with the triple-layer structure of electrode
- Rated ambient temperature: +70°C
- Operating temperature range: -55°C...+155°C
- Taping according to IEC-60 286-3
- Meets or exceeds IEC 60 115-8, JIS C 5201-8, EIAJ RC-2134B
- Suitable for reflow and wave soldering

DIMENSIONS (mm)

SIZE	TYPE	L	W	c	d	t
0402	RK73□1E	1.0 ± 0.1 0.05	0.5 ± 0.05	0.2 ± 0.1	0.25 ± 0.05 0.1	0.35 ± 0.05
0603	RK73□1J	1.6 ± 0.2	0.8 ± 0.1	0.3 ± 0.1	0.3 ± 0.1	0.45 ± 0.1
0805	RK73□2A	2.0 ± 0.2	1.25 ± 0.1	0.4 ± 0.2	0.3 ± 0.1	0.5 ± 0.1
1206	RK73□2B	3.2 ± 0.2	1.6 ± 0.2	0.5 ± 0.3	0.4 ± 0.2 0.1	0.6 ± 0.1
1210	RK73□2E		2.6 ± 0.2			
2010	RK73□W2H	5.0 ± 0.2	2.5 ± 0.2		0.65 ± 0.15	
2512	RK73□W3A	6.3 ± 0.2	3.1 ± 0.2			

RATING

SIZE	TYPE	T.C.R. (ppm/K)	POWER* RATING	MAX. WORKING VOLTAGE	MAX. OVERLOAD VOLTAGE	RESISTANCE RANGE			
						RK73H		RK73B	
						D (±0.5%) E24 • E96	F (±1%) E24 • E96	G (±2%) E24	J (±5%) E24
0402	RK73□1E	± 200	0.063 W	50 V	100 V	—	1.02 MΩ ... 10 MΩ	10 Ω ... 10 MΩ	1 Ω ... 10 MΩ
	RK73 H 1E	± 100				100 Ω ... 1 MΩ	10 Ω ... 1 MΩ	—	—
0603	RK73□1J	± 200	0.1 W	150 V	200 V	—	1.02 MΩ ... 10 MΩ	10 Ω ... 10 MΩ	1 Ω ... 10 MΩ
	RK73 H 1J	± 100				100 Ω ... 1 MΩ	10 Ω ... 1 MΩ	—	—
0805	RK73□2A	± 200	0.125 W	200 V	400 V	—	1.02 MΩ ... 10 MΩ	10 Ω ... 10 MΩ	1 Ω ... 10 MΩ
	RK73 H 2A	± 100				100 Ω ... 1 MΩ	10 Ω ... 1 MΩ	—	—
1206	RK73□2B	± 200	0.25 W	200 V	400 V	—	1.02 MΩ ... 10 MΩ	10 Ω ... 10 MΩ	1 Ω ... 10 MΩ
	RK73 H 2B	± 100				100 Ω ... 1 MΩ	10 Ω ... 1 MΩ	—	—
1210	RK73□2E	± 200	0.5 W	200 V	400 V	—	—	10 Ω ... 1 kΩ	1 Ω ... 1 kΩ
	RK73 H 2E	± 100	0.33 W			100 Ω ... 1 kΩ	10 Ω ... 1 kΩ	1.1 kΩ ... 1 MΩ	1.1 kΩ ... 1 MΩ
	RK73 H 2E	± 100	0.33 W			1.02 kΩ ... 1 MΩ	1.02 kΩ ... 1 MΩ	—	—
2010	RK73□W2H	± 200	0.75 W	200 V	400 V	—	1.02 MΩ ... 10 MΩ	10 Ω ... 10 MΩ	1 Ω ... 10 MΩ
	RK73 H W2H	± 100				10 Ω ... 1 MΩ	10 Ω ... 1 MΩ	—	—
2512	RK73□W3A	± 200	1 W	200 V	400 V	—	1.02 MΩ ... 10 MΩ	10 Ω ... 10 MΩ	1 Ω ... 10 MΩ
	RK73 H W3A	± 100				10 Ω ... 1 MΩ	10 Ω ... 1 MΩ	—	—

□ Enter the code H or B

Rated voltage = $\sqrt{\text{Power rating} \times \text{resistance value}}$ or max. working voltage, whichever is lower.

*For resistors operated in ambient temperature over +70°C, power rating shall be derated like shown in „DERATING CURVE“.

PERFORMANCE

Sulfuration test: H₂S 1000 ppm, 25°C, 90%RH, 720h
Typical results: $\Delta R \pm (0.5\% + 0.1\%)$

PREFERRED TOLERANCES

DERATING CURVE

