



**THE DATASHEET OF
RK73H2BTDD1300F**





features

- Wide lineup from 01005 to 2512 size
- Excellent heat resistance and weather resistance are ensured by the use of metal glaze thick film
- Suitable for both flow and reflow solderings
- Products with lead-free terminations meet EU RoHS requirements. EU RoHS regulation is not intended for Pb-glass contained in electrode, resistor element and glass.
- AEC-Q200 Tested: 0201 (1H), 0402 (1E), 0603 (1J), 0805 (2A), 1206 (2B), 1210 (2E), 2010 (2H/W2H), 2512 (3A/W3A/W3A2)

dimensions and construction



Derating Curve



For resistors operated at an ambient temperature of 70°C or higher, the power shall be derated in accordance with the above derating curve.

When the terminal part temperature of the resistor exceeds the rated terminal part temperature shown above, the power shall be derated according to the derating curve. Please refer to "Introduction of the derating curves based on the terminal part temperature" on the beginning of our catalog before use



*Parentheses indicate EIA package size codes.

** RK73H 2H, 3A and 3A2 are also still available (different "d" dimensions = 0.4 +0.2/-0.1mm)

Type* (Inch Size Code)	Dimensions inches (mm)				
	L	W	c	d	t
1F (01005)	.016±.0008 (0.4±0.02)	.008±.0008 (0.2±0.02)	.004±.001 (0.1±0.03)	.004±.001 (0.11±0.03)	.005±.0008 (0.13±0.02)
1H (0201)	.024±.001 (0.6±0.03)	.012±.001 (0.3±0.03)	.004±.002 (0.1±0.05)	.006±.002 (0.15±0.05)	.009±.001 (0.23±0.03)
1E (0402)	.039 +.004 -.002 (1.0 +0.1 -0.05)	.02±.002 (0.5±0.05)	.008±.004 (0.2±0.1)	.01 +.002 -.004 (0.25 +0.05 -0.1)	.014±.002 (0.35±0.05)
1E AT (0402)			.01±.004 (0.25±0.1)	.012±.006 (0.3±0.15)	
1J (0603)	.063±.008 (1.6±0.2)	.031±.004 (0.8±0.1)	.012±.004 (0.3±0.1)	.012±.004 (0.3±0.1)	.018±.004 (0.45±0.1)
1J AT (0603)			.014±.006 (0.35±0.15)	.02±.008 (0.5±0.2)	
2A (0805)	.079±.008 (2.0±0.2)	.049±.004 (1.25±0.1)	.016±.008 (0.4±0.2)	.012 +.008 -.004 (0.3 +0.2 -0.1)	.02±.004 (0.5±0.1)
2A AT (0805)			.018±.010 (0.45±0.25)	.024±.008 (0.6±0.2)	
2B (1206)	.126±.008 (3.2±0.2)	.063±.008 (1.6±0.2)	.02±.012 (0.5±0.3)	.016 +.008 -.004 (0.4 +0.2 -0.1)	.024±.004 (0.6±0.1)
2B AT (1206)			.022±.014 (0.55±0.35)	.031±.008 (0.8±0.2)	
2E (1210)	.197±.008 (5.0±0.2)	.098±.008 (2.5±0.2)	.102±.008 (2.6±0.2)	.016 +.008 -.004 (0.4 +0.2 -0.1)	.024±.004 (0.6±0.1)
2H (2010)					
W2H *1 (2010)	.248±.008 (6.3±0.2)	.122±.008 (3.1±0.2)	.016 +.008 -.004 (0.4 +0.2 -0.1)	.026±.006 (0.65±0.15)	
3A *1 (2512)					.026±.006 (0.65±0.15)
W3A/W3A2 *1 (2512)					

ordering information

RK73H	2B		T	TD	1003	F
Type	Size	Characteristics	Termination Material	Packaging	Nominal Resistance	Tolerance
	1F, 1H 1E, 1J 2A, 2B 2E W2H W3A 2H, 3A W3A2	Nil: Standard A: Heat shock resistance *2	T: Sn G: Au *3 (L: Sn/Pb*4)	TX: 4mm width - 1mm pitch plastic embossed TBL - TCM: 2mm pitch press paper *5 TPL - TP: 2mm pitch punch paper TD: 4mm pitch punch paper TE: 4mm pitch plastic embossed Other non-standard reel sizes available, contact factory for other options	3 significant figures + 1 multiplier "R" indicates decimal on value <100Ω	D: ±0.5% F: ±1%

*2 With type A only T is available as the terminal surface material
*3 Products with gold plated electrodes are also available with 1E, 1J and 2A types (10Ω~1MΩ), so please consult with us
*4 With type 1F, 1H, W2H, W3A, W3A2 only T is available as the terminal surface material
*5 Standard taping specification of 1H is TCM. Previously available "TC(10,000pcs/Reel)" is not recommended for new designs.

The terminal surface material lead free is standard.
For further information on packaging, please refer to Appendix A

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use.

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