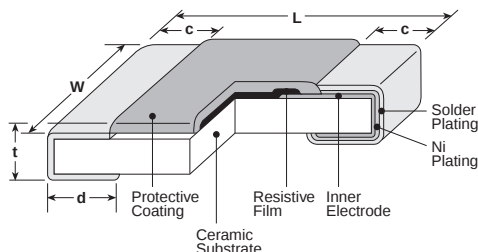


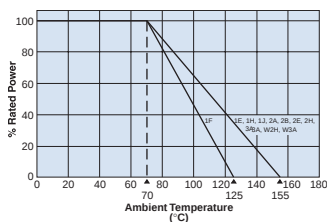
features

- 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 Qualified: 0201 (1H), 0402 (1E), 0603 (1J), 0805 (2A), 1206 (2B), 1210 (2E), 2010 (2H/W2H), 2512 (3A/W3A/W3A2)

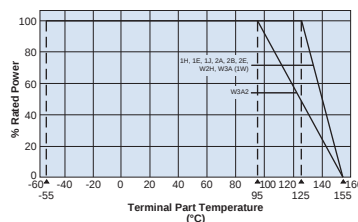
dimensions and construction



Derating Curve



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



For resistors operated at a terminal part temperature of described for each size or above, a power rating shall be derated in accordance with the above derating curve. Please refer to "Introduction of the derating curve based on the terminal part temperature" in the beginning of our catalog before use.

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 ^{+0.004} _{-.002} (1.0 ^{+0.1} _{-.05})	.02±.002 (0.5±0.05)	.008±.004 (0.2±0.1)	.01 ^{+0.002} _{-.004} (0.25 ^{+0.05} _{-.01})	.014±.002 (0.35±0.05)
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)
2A (0805)	.079±.008 (2.0±0.2)	.049±.004 (1.25±0.1)	.016±.008 (0.4±0.2)	.012 ^{+0.008} _{-.004} (0.3 ^{+0.2} _{-.01})	.02±.004 (0.5±0.1)
2B (1206)	.126±.008 (3.2±0.2)	.063±.008 (1.6±0.2)	.02±.012 (0.5±0.3)	.016 ^{+0.008} _{-.004} (0.4 ^{+0.2} _{-.01})	.024±.004 (0.6±0.1)
2E (1210)		.102±.008 (2.6±0.2)			
2H (2010)	.197±.008 (5.0±0.2)	.098±.008 (2.5±0.2)			
W2H (2010)					
3A (2512)	.248±.008 (6.3±0.2)	.122±.008 (3.1±0.2)		.026±.006 (0.65±0.15)	
W3A/W3A2 (2512)				.016 ^{+0.008} _{-.004} (0.4 ^{+0.2} _{-.01})	
				.026±.006 (0.65±0.15)	

* Parentheses indicate EIA package size codes.

ordering information

RK73H	2B	T	TD	1003	F
Type	Size	Termination Material	Packaging	Nominal Resistance	Tolerance
	1F 1H 1E 1J 2A 2B 2E W2H W3A 2H 3A W3A2	T: Sn (1F ~ W3A2) Contact factory for below options: L: SnPb (1E, 1J, 2A, 2B, 2E, 2H, 3A) G: Au (1E ~ 2A: 10Ω ~ 1MΩ)	TX: 01005 only: 4mm width - 1mm pitch plastic embossed TBL: 01005 only: 2mm pitch pressed paper TC: 0201 only: 7" 2mm pitch pressed paper (TC: 10,000 pcs/reel, TCM: 15,000 pcs/reel) TCD: 0201 only: 10" 2mm pitch pressed paper TPD: 0402 only: 10" 2mm pitch plastic embossed TPL: 0402 only: 2mm pitch punch paper TP: 0402, 0603, 0805: 7" 2mm pitch punch paper TD: 0603, 0805, 1206, 1210: 7" 4mm pitch punched paper TDD: 0603, 0805, 1206, 1210: 10" paper tape TE: 0805, 1206, 1210, 2010 & 2512: 7" embossed plastic TED: 0805, 1206, 1210, 2010 & 2512: 10" embossed plastic For further information on packaging, please refer to Appendix A	3 significant figures + 1 multiplier "R" indicates decimal on value <100Ω	D: ±0.5% F: ±1%



KOA SPEER ELECTRONICS, INC.

applications and ratings

RK73H

precision 0.5%, 1% tolerance
thick film chip resistor

Part Designation	Power Rating	Rated Ambient Temp.	Rated Terminal Part Temp.	T.C.R. (x10 ⁻⁶ /K)	Resistance Range		Maximum Working Voltage	Maximum Overload Voltage	Operating Temperature Range
					D±0.5% E-24, E-96	F±1% E-24, E-96*			
RK73H1F (01005)	0.03W	70°C	—	±200	—	100kΩ - 2MΩ*	20V	30V	-55°C to +125°C
RK73H1H (0201)	0.05W			±250	—	10Ω - 91kΩ*	25V	50V	
			±200	10Ω - 1MΩ	10Ω - 10MΩ*				
RK73H1E (0402)	0.1W		±400	—	1.0Ω - 9.1Ω*	75V	100V		
			±100	10Ω - 1MΩ	10Ω - 1MΩ				
RK73H1J (0603)	0.1W		±200	—	1.0Ω - 9.76Ω 1.02MΩ - 10MΩ	75V			
			±100	1.02kΩ - 1MΩ	1.02kΩ - 1MΩ				
	0.125W		±200	—	1.02MΩ - 10MΩ				
			±100	10Ω - 1kΩ	10Ω - 1kΩ				
RK73H2A (0805)	0.25W		±200	—	1.0Ω - 9.76Ω	150V	200V		
			±400	—	1.02MΩ - 10MΩ				
			±100	10Ω - 1MΩ	10Ω - 1MΩ				
RK73H2B (1206)	0.25W		±200	—	1.0Ω - 9.76Ω 1.02MΩ - 5.6MΩ	200V	400V	-55°C to +155°C	
			±400	—	5.62MΩ - 10MΩ				
			±100	10Ω - 1MΩ	10Ω - 1MΩ				
RK73H2E (1210)	0.5W		±200	—	1.0Ω - 9.76Ω 1.02MΩ - 5.6MΩ				
			±400	—	5.62MΩ - 10MΩ				
RK73HW2H/2H (2010)	0.75W		±100	10Ω - 1MΩ	10Ω - 1MΩ				
			±200	—	1.0Ω - 9.76Ω 1.02MΩ - 5.6MΩ				
			±400	—	5.62MΩ - 10MΩ				
RK73HW3A/3A (2512)	1.0W		±100	10Ω - 1MΩ	10Ω - 1MΩ	200V	400V		
			±200	—	1.0Ω - 9.76Ω 1.02MΩ - 5.6MΩ				
			±400	—	5.62MΩ - 10MΩ				
RK73HW3A2 (2512)	2.0W		—	95°C	±100	10Ω - 1MΩ	10Ω - 1MΩ		200V
		±200			—	1.0Ω - 9.76Ω 1.02MΩ - 5.6MΩ			
		±400			—	5.62MΩ - 10MΩ			