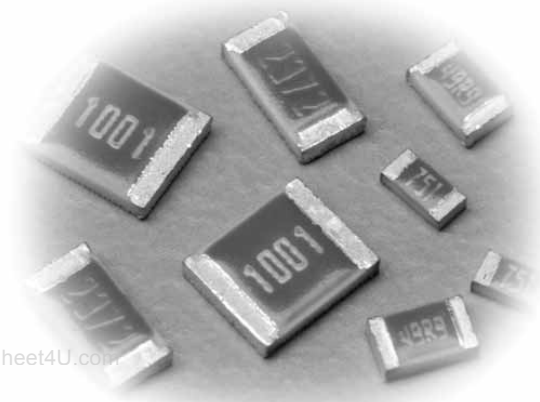


precision high heat resistance metal film chip resistor



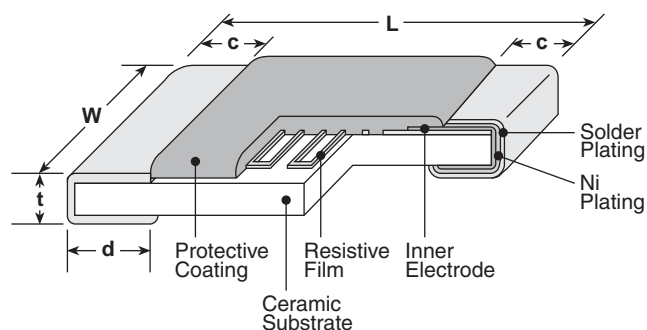
features

- SMD metal film resistors
- High precision type $\pm 0.05\%$ is available with standard products
- Improved moisture resistance by special protective coating
- Rated up to $+155^{\circ}\text{C}$
- Marking: Black coating
- Products with lead-free terminations meet EU RoHS requirements



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dimensions and construction



Type (Inch Size Code)	Dimensions inches (mm)				
	L	W	c	d	t
1J (0603)	$.063 \pm .008$ (1.6 \pm 0.2)	$.031 \pm .004$ (0.8 \pm 0.1)	$.012 \pm .004$ (0.3 \pm 0.1)	$.012 \pm .004$ (0.3 \pm 0.1)	$.018 \pm .004$ (0.45 \pm 0.1)
2A (0805)	$.079 \pm .008$ (2.0 \pm 0.2)	$.049 \pm .004$ (1.25 \pm 0.1)	$.016 \pm .008$ (0.4 \pm 0.2)	$.012^{+.008}_{-.004}$ (0.3 $^{+.0.2}_{-.0.1}$)	$.02 \pm .004$ (0.5 \pm 0.1)
2B (1206)	$.126 \pm .008$ (3.2 \pm 0.2)	$.063 \pm .008$ (1.6 \pm 0.2)	$.02 \pm .012$ (0.5 \pm 0.3)	$.016^{+.008}_{-.004}$ (0.4 $^{+.0.2}_{-.0.1}$)	$.024 \pm .004$ (0.6 \pm 0.1)
2E (1210)		$.098 \pm .008$ (2.5 \pm 0.2)			

ordering information

New Part #	RN73H	2B	T	TD	1002	B	25
Type					Nominal Resistance	Resistance Tolerance	T.C.R. (ppm/ $^{\circ}\text{C}$)
Size		1J: 0.1W 2A: 0.125W 2B: 0.25W 2E: 0.25W	Termination Material T: Sn (Other termination styles may be available, please contact factory for options)	Packaging TD: 7" paper tape (0603, 0805, 1206, 1210) TE: 7" punched plastic (0805, 1206, 1210)	3 significant figures + 1 multiplier "R" indicates decimal on value <100 Ω	A: $\pm 0.05\%$ B: $\pm 0.1\%$ C: $\pm 0.25\%$ D: $\pm 0.5\%$ F: $\pm 1.0\%$	05 10 25 50 100

For further information on packaging, please refer to Appendix A.

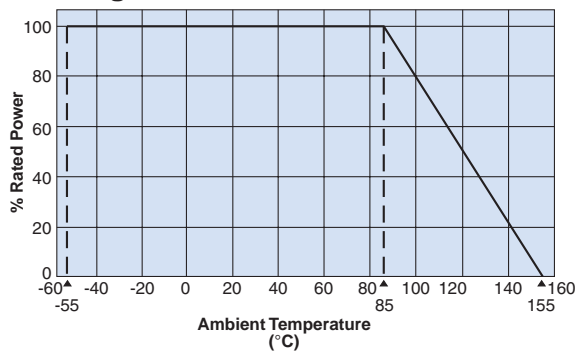
applications and ratings

Part Designation	Power Rating @ 70°C	T.C.R. (ppm/°C) Max.	Resistance Range E-24, E-96*					Maximum Working Voltage	Maximum Overload Voltage	Operating Temp. Range
			(A±0.05%)	(B±0.1%)	(C±0.25%)	(D±0.5%)	(F±1.0%)			
RN73H1J	1/10W (.10W)	±5	100Ω - 47kΩ	100Ω - 47kΩ	—	—	—	75V	150V	-55°C to +155°C
		±10	100Ω - 59kΩ	100Ω - 59kΩ	100Ω - 59kΩ	100Ω - 59kΩ	100Ω - 59kΩ			
		±25	51Ω - 59kΩ	15Ω - 59kΩ	15Ω - 59kΩ	10Ω - 59kΩ	10Ω - 59kΩ			
		±50	—							
		±100	—	—	—	—				
RN73H2A	1/8W (.125W)	±5	100Ω - 100kΩ	100Ω - 100kΩ	—	—	—	100V	200V	
		±10	100Ω - 100kΩ	100Ω - 100kΩ	100Ω - 100kΩ	100Ω - 100kΩ	100Ω - 100kΩ			
		±25	51Ω - 100kΩ	15Ω - 100kΩ	15Ω - 100kΩ	10Ω - 100kΩ	10Ω - 100kΩ			
		±50	—							
		±100	—	—	—	—				
RN73H2B	1/4W (.25W)	±5	100Ω - 330kΩ	100Ω - 300kΩ	—	—	—	150V	300V	
		±10	100Ω - 330kΩ	100Ω - 300kΩ	100Ω - 300kΩ	100Ω - 300kΩ	100Ω - 300kΩ			
		±25	51Ω - 300kΩ	15Ω - 300kΩ	15Ω - 300kΩ	10Ω - 300kΩ	10Ω - 300kΩ			
		±50	—							
		±100	—	—	—	—				
RN73H2E	1/4W (.25W)	±10	100Ω - 510kΩ	100Ω - 510kΩ	100Ω - 510kΩ	100Ω - 510kΩ	100Ω - 510kΩ	200V	400V	
		±25	51Ω - 510kΩ	15Ω - 510kΩ	15Ω - 510kΩ	10Ω - 510kΩ	10Ω - 510kΩ			
		±50	—							
		±100	—	—	—	—				

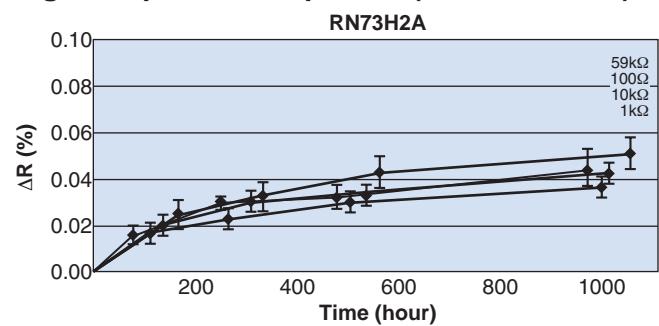
* E-192 resistance range available, please contact KOA Speer

environmental applications

Derating Curve



High Temperature Exposure (155°C, 1000 hr)



For complete environmental specifications, please refer to pages 34-35.