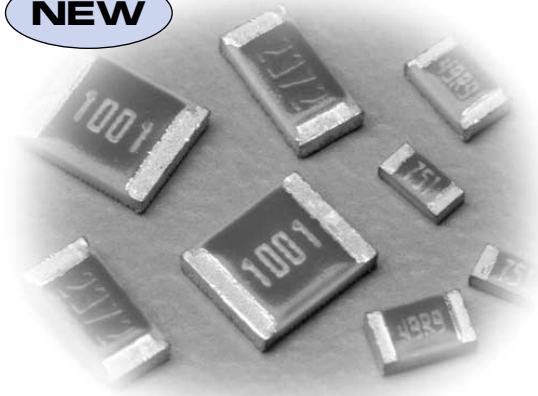


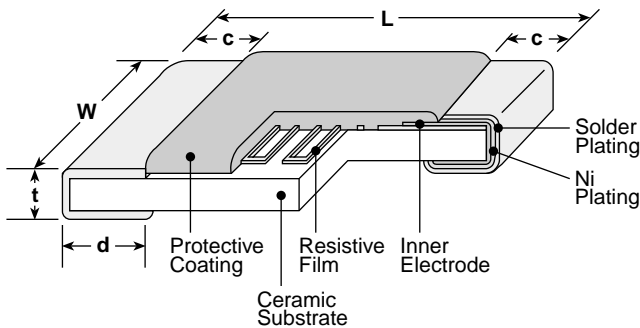
precision high heat resistance metal film chip resistor


NEW


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 RoHS requirements

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 ^{+0.008} _{-.004} (0.3 ^{+0.2} _{-.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 ^{+0.008} _{-.004} (0.4 ^{+0.2} _{-.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							
Size		1J: 0.1W 2A: 0.125W 2B: 0.25W 2E: 0.25W					
Termination Material			T: Sn (Other termination styles available, contact factory for options)				
Packaging				TD: 7" paper tape (0805, 1206) TE: 7" punched plastic (0603, 0805, 1206)			
Nominal Resistance					3 significant figures + 1 multiplier "R" indicates decimal on value <100 Ω		
Resistance Tolerance						A: $\pm 0.05\%$ B: $\pm 0.1\%$ C: $\pm 0.25\%$ D: $\pm 0.5\%$ F: $\pm 1.0\%$	
T.C.R. (ppm/ $^{\circ}\text{C}$)							05 10 25 50 100

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

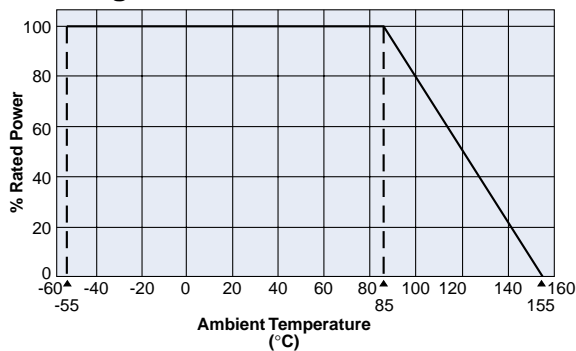
applications and ratings

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
RN73H1J		±10	100Ω - 47kΩ	100Ω - 47kΩ	100Ω - 47kΩ	100Ω - 47kΩ	100Ω - 47kΩ			
RN73H1J		±25	51Ω - 47kΩ	15Ω - 47kΩ	15Ω - 47kΩ	10Ω - 47kΩ	10Ω - 47kΩ			
RN73H1J		±50	—	—	—	—	—			
RN73H1J		±100	—	—	—	—	—			
RN73H2A	1/8W (.125W)	±5	100Ω - 100kΩ	100Ω - 100kΩ	—	—	—	100V	200V	
RN73H2A		±10	100Ω - 100kΩ	100Ω - 100kΩ	100Ω - 100kΩ	100Ω - 100kΩ	100Ω - 100kΩ			
RN73H2A		±25	51Ω - 100kΩ	15Ω - 100kΩ	15Ω - 100kΩ	10Ω - 100kΩ	10Ω - 100kΩ			
RN73H2A		±50	—	—	—	—	—			
RN73H2A		±100	—	—	—	—	—			
RN73H2B	1/4W (.25W)	±5	100Ω - 330kΩ	100Ω - 300kΩ	—	—	—	150V	300V	
RN73H2B		±10	100Ω - 330kΩ	100Ω - 300kΩ	100Ω - 300kΩ	100Ω - 300kΩ	100Ω - 300kΩ			
RN73H2B		±25	51Ω - 300kΩ	15Ω - 300kΩ	15Ω - 300kΩ	10Ω - 300kΩ	10Ω - 300kΩ			
RN73H2B		±50	—	—	—	—	—			
RN73H2B		±100	—	—	—	—	—			
RN73H2E	1/4W (.25W)	±10	100Ω - 510kΩ	100Ω - 510kΩ	100Ω - 510kΩ	100Ω - 510kΩ	100Ω - 510kΩ	200V	400V	
RN73H2E		±25	51Ω - 510kΩ	15Ω - 510kΩ	15Ω - 510kΩ	10Ω - 510kΩ	10Ω - 510kΩ			
RN73H2E		±50	—	—	—	—	—			
RN73H2E		±100	—	—	—	—	—			

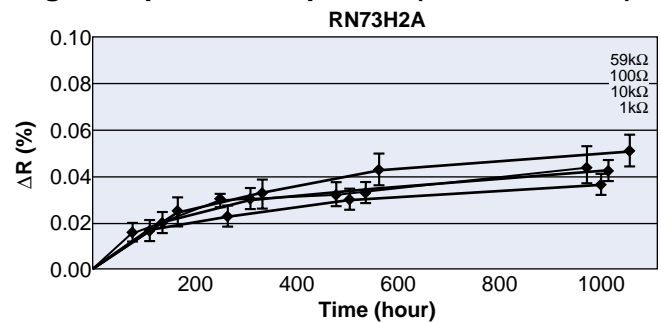
* T.C.R. +100ppm available in E-24 values only

environmental applications

Derating Curve



High Temperature Exposure (155°C, 1000 hr)



For complete environmental specifications, please refer to pages 28-29.