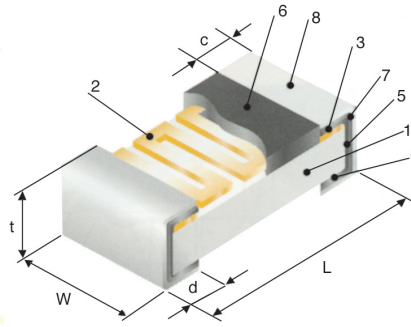
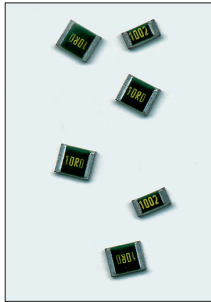


FLAT CHIP METAL THIN FILM PRECISION HIGH HEAT RESISTANT RN73H

NEW



STRUCTURE

- 1 Ceramic substrate
- 2 NiCr Thin film
- 3 Top termination (Cr Ni Cu)
- 4 Bottom termination (Cr Ni Cu)
- 5 End termination (Ni Cr)
- 6 Special protective coating
- 7 Ni Barrier
- 8 Solder Plating (sn)

IDENTIFICATION

TYPE	COATING COLOR	MARKING
RN73H 1J	Black	Yellow, 3 digits (E24)* None (E96)
RN73H 2A ... 2E		Yellow, 4 digits*

* Red marking for T.C.R. ±5 and ±10 ppm/K

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

TYPE DESIGNATION (HOW TO ORDER)

RN73H	2A	T	TD	1002	B	10
PRODUCT CODE	STYLE	TERMINATION SURFACE MATERIAL	TAPING* TD, TE, BK	NOMINAL RESISTANCE	TOLERANCE	T.C.R. (ppm/K)
	1J : 0603 2A : 0805 2B : 1206 2E : 1210	T: Sn	*Please see "PACKAGING"	4 digits	A : ±0.05% B : ±0.1% C : ±0.25% D : ±0.5% F : ±1%	05, 10, 25, 50, 100 (2 or 3 digits)

FEATURES

- High precision chip resistor
- Tolerance ±0.05% and TCR ±5ppm/K are available
- Nickel chromium thin film resistor element
- Improved moisture resistance and high heat resistance by special resistive film and protective coating
- Anti-leaching nickel barrier terminations
- Low current noise
- Rated ambient temperature: + 85° C
- Operating temperature range: - 55° C ... + 155° C
- Suitable for control circuits in various industrial equipment
- Suitable for reflow and wave soldering
- Meets or exceeds IEC 60115-8, JIS C 5201-8, EIAJ RC-2133A

DIMENSIONS (mm)

SIZE	TYPE	L	W	c	d	t
0603	RN73H 1J	1.6 ± 0.2	0.8 ± 0.1	0.3 ± 0.1	0.3 ± 0.1	0.45 ± 0.1
0805	RN73H 2A	2.0 ± 0.2	1.25 ± 0.2	0.4 ± 0.2	0.3 ^{+0.2} _{-0.1}	0.5 ± 0.1
1206	RN73H 2B	3.2 ± 0.2	1.6 ± 0.2	0.5 ± 0.3	0.4 ^{+0.2} _{-0.1}	0.6 ± 0.1
1210	RN73H 2E	2.5 ± 0.2	2.5 ± 0.2			

RATING

SIZE	TYPE	T.C.R. (ppm/K)	POWER* RATING	MAX. WORKING VOLTAGE	MAX. OVERLOAD VOLTAGE	RESISTANCE RANGE (E24 • E96) (E192 ON REQUEST)				
						A (±0.05%)	B (±0.1%)	C (±0.25%)	D (±0.5%)	F (±1%)
0603	RN73H 1J	± 100**	0.1 W*	75 V	150 V	—	—	—	10 Ω ... 47 kΩ	10 Ω ... 47 kΩ
		± 50				—	15 Ω ... 47 kΩ	15 Ω ... 47 kΩ	10 Ω ... 47 kΩ	10 Ω ... 47 kΩ
		± 25				51 Ω ... 47 kΩ	15 Ω ... 47 kΩ	15 Ω ... 47 kΩ	10 Ω ... 47 kΩ	10 Ω ... 47 kΩ
		± 10				100 Ω ... 47 kΩ	100 Ω ... 47 kΩ	100 Ω ... 47 kΩ	100 Ω ... 47 kΩ	100 Ω ... 47 kΩ
		± 5				100 Ω ... 47 kΩ	100 Ω ... 47 kΩ	—	—	—
0805	RN73H 2A	± 100**	0.125 W*	100 V	200 V	—	—	—	10 Ω ... 100 kΩ	10 Ω ... 100 kΩ
		± 50				—	15 Ω ... 100 kΩ	15 Ω ... 100 kΩ	10 Ω ... 100 kΩ	10 Ω ... 100 kΩ
		± 25				51 Ω ... 100 kΩ	15 Ω ... 100 kΩ	15 Ω ... 100 kΩ	10 Ω ... 100 kΩ	10 Ω ... 100 kΩ
		± 10				100 Ω ... 100 kΩ	100 Ω ... 100 kΩ	100 Ω ... 100 kΩ	100 Ω ... 100 kΩ	100 Ω ... 100 kΩ
		± 5				100 Ω ... 100 kΩ	100 Ω ... 100 kΩ	—	—	—
1206	RN73H 2B	± 100**	0.25 W*	150 V	300 V	—	—	—	10 Ω ... 300 kΩ	10 Ω ... 300 kΩ
		± 50				—	15 Ω ... 300 kΩ	15 Ω ... 300 kΩ	10 Ω ... 300 kΩ	10 Ω ... 300 kΩ
		± 25				51 Ω ... 300 kΩ	15 Ω ... 300 kΩ	15 Ω ... 300 kΩ	10 Ω ... 300 kΩ	10 Ω ... 300 kΩ
		± 10				100 Ω ... 300 kΩ	100 Ω ... 300 kΩ	100 Ω ... 300 kΩ	100 Ω ... 300 kΩ	100 Ω ... 300 kΩ
		± 5				100 Ω ... 300 kΩ	100 Ω ... 300 kΩ	—	—	—
1210	RN73H 2E	± 100**	0.25 W*	200 V	400 V	—	—	—	10 Ω ... 510 kΩ	10 Ω ... 510 kΩ
		± 50				—	15 Ω ... 510 kΩ	15 Ω ... 510 kΩ	10 Ω ... 510 kΩ	10 Ω ... 510 kΩ
		± 25				51 Ω ... 510 kΩ	15 Ω ... 510 kΩ	15 Ω ... 510 kΩ	10 Ω ... 510 kΩ	10 Ω ... 510 kΩ
		± 10				100 Ω ... 510 kΩ	100 Ω ... 510 kΩ	100 Ω ... 510 kΩ	100 Ω ... 510 kΩ	100 Ω ... 510 kΩ
		± 5				100 Ω ... 510 kΩ	100 Ω ... 510 kΩ	—	—	—

* For resistors operated at an ambient temperature of + 85°C or above, the power rating shall be derated. Power rating depends on resistance value. Performance requirements are dependant on the power rating. Please consult with us for power rating before you order.

** Resistance values for T.C.R. H(±100 ppm/K) are E24 series only.

Rated voltage = √Power rating x resistance value or max. working voltage, whichever is lower.