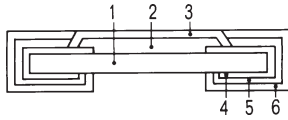


CONSTRUCTION



1. Ceramic Substrate
2. RuO_2 Resistor Film
3. Over Coating
4. Termination 1 (AgPd)
5. Termination 2 (Ni)
6. Termination 3 (Sn)

DIMENSIONS

(Unit: mm)

	Mark	EIA	Power Rating	L	W	H	D	d
	2Y	0201	0.05W	0.6 ± 0.03	0.3 ± 0.03	0.23 ± 0.03	0.15 ± 0.05	0.2 Max
	2Z/2W	0402	0.063W/0.1W	1.0 ± 0.1	0.5 ± 0.1	0.35 ± 0.1	0.2 ± 0.1	0.3 Max
	2X/2C/2P	0603	0.063W/0.1W/0.25W	1.6 ± 0.15	0.8 ± 0.15	0.45 ± 0.1	0.3 ± 0.2	0.4 Max
	2A/2D/2K	0805	0.1W/0.125W/0.25W	2.0 ± 0.2	1.25 ± 0.2	0.45 ± 0.1	0.3 ± 0.2	0.42 Max
	2B/2E	1206	0.125W/0.25W	3.2 ± 0.2	1.6 ± 0.2	0.55 ± 0.1	0.5 ± 0.2	0.52 Max
	2F/2G/2N	1210	0.25W/0.5W/0.75W	3.2 ± 0.2	2.5 ± 0.2	0.55 ± 0.1	0.5 ± 0.2	0.52 Max
	2H/2I/2M	2010	0.5W/1W/0.75W	5.0 ± 0.2	2.5 ± 0.2	0.55 ± 0.1	1.0 ± 0.2	0.8 Max
	3A	2512	1W	6.4 ± 0.2	3.2 ± 0.2	0.55 ± 0.1	1.3 ± 0.2	1.3 Max
	3B	2512	2W	6.4 ± 0.2	3.2 ± 0.2	0.55 ± 0.1	1.3 ± 0.2	1.3 Max

RESISTANCE RANGE

Item	Power Rating		0.05W	0.063W	0.1W	0.125W	0.25W	0.5W	1W	2W
	T.C.R.	Mark	2Y	2Z/2X	2W/2C/2A	2D/2B	2E/2F	2G/2H	2I/3A	3B
T.C.R. (PPM/°C)	$\pm 100, \pm 50$	A, C	10Ω~1MΩ	10Ω~1MΩ	10Ω~1MΩ	1Ω~10MΩ	1Ω~10MΩ	10Ω~1MΩ	0Ω~1MΩ	0Ω~1MΩ
	± 200	L	10Ω~1MΩ	1Ω~5.6MΩ	1Ω~100MΩ	1Ω~100MΩ	1Ω~100MΩ	1Ω~100MΩ	0Ω~100MΩ	0Ω~100MΩ
Resistance Tolerance	$\pm 1\%$	F	10Ω~1MΩ	10Ω~1MΩ	10Ω~1MΩ	1Ω~10MΩ	1Ω~10MΩ	10Ω~1MΩ	0Ω~1MΩ	0Ω~1MΩ
	$\pm 5\%$	J	10Ω~1MΩ	1Ω~5.6MΩ	1Ω~100MΩ	1Ω~100MΩ	1Ω~100MΩ	1Ω~100MΩ	0Ω~100MΩ	0Ω~100MΩ

*Main Resistance Value: E-24, E-96 Series (see back)

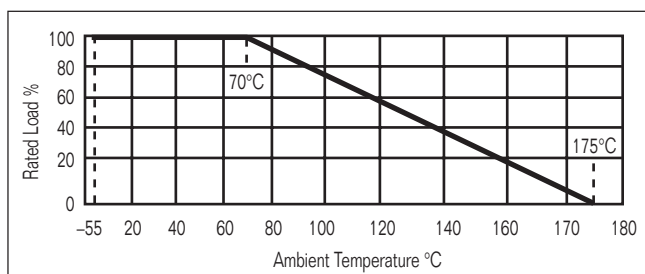
RATING

Item	Power	0.05W	0.063W	0.1W	0.125W	0.25W	0.5W	1W	2W
	Mark	2Y	2Z/2X	2W/2C/2A	2D/2B	2E/2F	2G/2H	2I/3A	3B
Max Working Voltage		25V	50V	50V	200V	200V	250V	300V	500V
Max Over-Load Voltage		50V	100V	100V	400V	400V	500V	600V	1000V
Operating Temp. Range		-55°C to $+175^\circ\text{C}$							
Rating Temp.		70°C							

CHARACTERISTICS

Requirements	Characteristics	Text Method
Short time Over-Load	$\pm 2.5\%$	Rated Voltage x 2.5, 5 seconds.
Soldering Heat	$\pm 3\%$	260°C , 10 seconds.
Temperature Cycling	$\pm 1\%$	-55°C ~ 155°C , 0.5 hours, 5 cycles
Moisture Load-Life	$\pm 5\%$ (2Y), (2Z), (2X), $\pm 3\%$	40°C 95% RH Rated Voltage 1000H
Load-Life	$\pm 5\%$ (2Y), (2Z), (2X), $\pm 3\%$	Rated Voltage 1000 Hours
Dielectric-Withstanding Voltage	$\pm 1\%$	Max Working Voltage

DERATING CURVE



ORDERING INFORMATION

RC 73	*	A	2B	1001	F	T	F	Pb Free
RC 73		L	2B	102	J	T	F	

Taping
 Resistance Tolerance
 Resistance Value
 Power Rating
 Temperature Coefficient (T.C.)
 Chip Type
 Thick Film

* L=T.C. for 5% Tol.; A or C=T.C. for 1% Tol.

** 102 = 3 digit for 5% Tol., 1001 = 4 digit for 1% Tol.

THICK FILM CHIP RESISTORS – T Y P E R C 7 3

RESISTANCE DECADE VALUES

E-6 Series ($\pm 1\%$, $\pm 2\%$, $\pm 5\%$)	10		15		22		33		47		68	
E-12 Series ($\pm 1\%$, $\pm 2\%$, $\pm 5\%$)	10	12	15	18	22	27	33	39	47	56	68	82
E-24 Series ($\pm 2\%$, $\pm 5\%$)	10	11	12	13	15	16	18	20	22	24	27	30
	33	36	39	43	47	51	56	62	68	75	82	91
E-96 Series ($\pm 1\%$)	10.0	10.2	10.5	10.7	11.0	11.3	11.5	11.8	12.1	12.4	12.7	13.0
	13.3	13.7	14.0	14.3	14.7	15.0	15.4	15.8	16.2	16.5	16.9	17.4
	17.8	18.2	18.7	19.1	19.6	20.0	20.5	21.0	21.5	22.1	22.6	23.2
	23.7	24.3	24.9	25.5	26.1	26.7	27.4	28.0	28.7	29.4	30.1	30.9
	31.6	32.4	33.2	34.0	34.8	35.7	36.5	37.4	38.3	39.2	40.2	41.2
	42.2	43.2	44.2	45.3	46.4	47.5	48.7	49.9	51.1	52.3	53.6	54.9
	56.2	57.6	59.0	60.4	61.9	63.4	64.9	66.5	68.1	69.8	71.5	73.2
	75.0	76.8	78.7	80.6	82.5	84.5	86.6	88.7	90.9	90.9	95.3	97.6

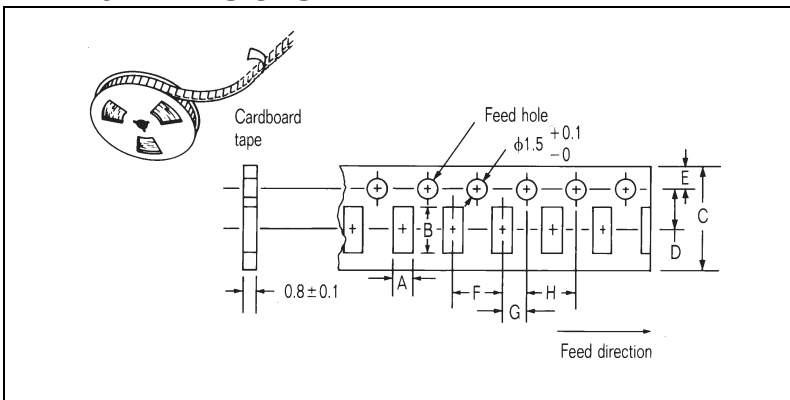


**CHIP JUMPER
ZERO OHM
CHIP RESISTOR
TYPE RC73JP**

DIMENSIONS

RC73JP2Y : Size is same as thick film chip resistor RC73□2Y
RC73JP2Z : Size is same as thick film chip resistor RC73□2Z
RC73JP2W : Size is same as thick film chip resistor RC73□2W
RC73JP2X : Size is same as thick film chip resistor RC73□2X
RC73JP2C : Size is same as thick film chip resistor RC73□2C
RC73JP2A : Size is same as thick film chip resistor RC73□2A
RC73JP2D : Size is same as thick film chip resistor RC73□2D
RC73JP2B : Size is same as thick film chip resistor RC73□2B
RC73JP2E : Size is same as thick film chip resistor RC73□2E
RC73JP2F : Size is same as thick film chip resistor RC73□2F
RC73JP2G : Size is same as thick film chip resistor RC73□2G
RC73JP2H : Size is same as thick film chip resistor RC73□2H
RC73JP2I : Size is same as thick film chip resistor RC73□2I
RC73JP3A : Size is same as thick film chip resistor RC73□3A
RC73JP3B : Size is same as thick film chip resistor RC73□3B

TAPING DIMENSIONS



RATING

Item	RC73JP2Y	RC73JP2Z RC73JP2W	RC73JP2X RC73JP2C	RC73JP2A RC73JP2D	RC73JP2B RC73JP2E	RC73JP2F RC73JP2G	RC73JP2H RC73JP2I	RC73JP3A RC73JP3B
Rating Current	0.5A	1A	1A	2A	2A	4A	5A	5A
Max Current Surge	1A	5A	5A	*10A	*10A	*20A	*25A	*25A
Resistance Value	Less than 50mΩ							
Operating Temp. Range	-55°C to +175°C							

* Within one second

RESISTANCE TOLERANCE

RC73 Type	Tape Type	Pcs./Reel	A	B
2Y	Cardboard	15K	0.4 ± 0.05	0.7 ± 0.05
2Z / 2W	Cardboard	10K	0.65 ± 0.05	1.15 ± 0.05
2X / 2C	Cardboard	5K	1.10 ± 0.10	1.90 ± 0.10
2A	Cardboard	5K	1.60 ± 0.2	2.4 ± 0.2
2D				
2B	Cardboard	5K	1.9 ± 0.2	3.5 ± 0.2
2E	Cardboard	5K	1.9 ± 0.2	3.5 ± 0.2
2F / 2G	Embossed	5K	2.9 ± 0.1	3.5 ± 0.20
2H / 2I		4K		5.5 ± 0.10
3A	Embossed	4K	3.5 ± 0.1	6.7 ± 0.1
3B	Embossed	4K	3.5 ± 0.1	6.7 ± 0.1

Sign	C	D	E	F	G	H
2Y, 2Z, 2W	8 ± 0.2	3.5 ± 0.05	1.75 ± 0.1	2.0 ± 0.05	2.0 ± 0.05	4.0 ± 0.1
2X, 2C, 2A, 2D, 2B, 2E	8 ± 0.2	3.5 ± 0.05	1.75 ± 0.1	4.0 ± 0.05	2.0 ± 0.05	4.0 ± 0.1
2F, 2G, 2H, 2I	12 ± 0.3	5.5 ± 0.05	1.75 ± 0.1	4.0 ± 0.05	2.0 ± 0.05	4.0 ± 0.1
3A, 3B	12 ± 0.3	5.5 ± 0.05	1.75 ± 0.1	4.0 ± 0.05	2.0 ± 0.05	4.0 ± 0.1

±1% (Unit: mm)