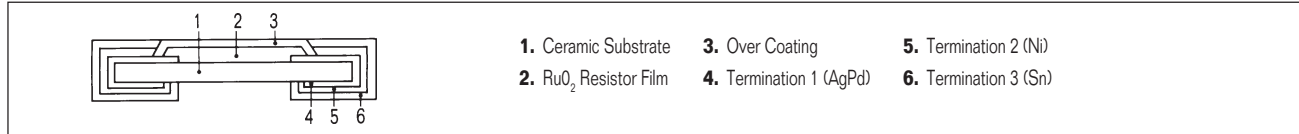


THICK FILM CHIP RESISTORS



T Y P E R C 7 3

CONSTRUCTION



DIMENSIONS

(Unit: mm)

Mark	EIA	Power Rating	L	W	H	D	d	
								2Y
2Y	0201	0.05W	0.6 ± 0.03	0.3 ± 0.03	0.23 ± 0.03	0.15 ± 0.05	0.2 Max	
2Z	0402	0.063W	1.0 ± 0.1	0.5 ± 0.1	0.35 ± 0.1	0.2 ± 0.1	0.3 Max	
2X/2C	0603	0.063W/0.1W	1.6 ± 0.15	0.8 ± 0.15	0.45 ± 0.1	0.3 ± 0.2	0.4 Max	
2A/2D	0805	0.1W/0.125W	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	1210	0.25W/0.5W	3.2 ± 0.2	2.5 ± 0.2	0.55 ± 0.1	0.5 ± 0.2	0.52 Max	
2H/2I	2010	0.5W/1W	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	2C/2A	2D/2B	2E/2F	2G/2H	2I/3A	3B
T.C.R. (PPM°/C)	±100, ±50	A, C	10Ω-1MΩ	10Ω-1MΩ	10Ω-1MΩ	1Ω-10MΩ	1Ω-10MΩ	10Ω-1MΩ	10Ω-1MΩ	1Ω-1MΩ
	±200	L	10Ω-1MΩ	1Ω-5.6MΩ	1Ω-100MΩ	1Ω-100MΩ	1Ω-100MΩ	1Ω-100MΩ	1Ω-100MΩ	1Ω-100MΩ
Resistance Tolerance	±1%	F	10Ω-1MΩ	10Ω-1MΩ	10Ω-1MΩ	1Ω-10MΩ	1Ω-10MΩ	10Ω-1MΩ	10Ω-1MΩ	10Ω-1MΩ
	±5%	J	10Ω-1MΩ	1Ω-5.6MΩ	1Ω-100MΩ	1Ω-100MΩ	1Ω-100MΩ	1Ω-100MΩ	1Ω-100MΩ	1Ω-100MΩ

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

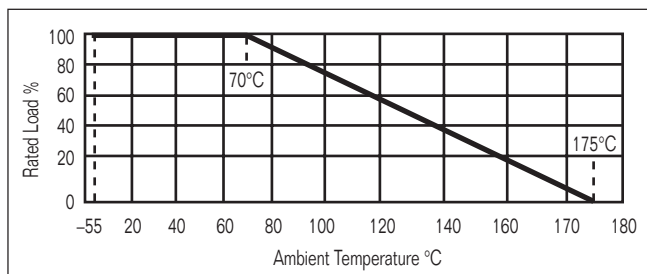
RATING

Item	Power	0.05W	0.063W	0.1W	0.125W	0.25W	0.5W	1W	2W
	Mark	2y	2Z/2X	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° C							
Rating Temp.		70° C							

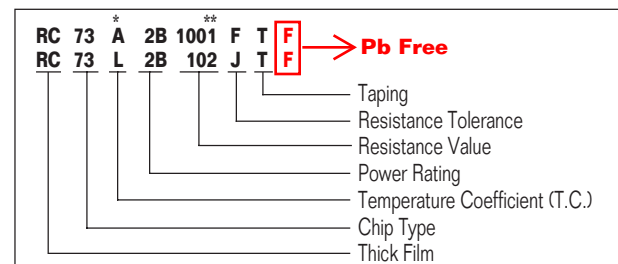
CHARACTERISTICS

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

DERATING CURVE



ORDERING INFORMATION



* 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 — TYPE RC73

RESISTANCE DECADE VALUES

E-6 Series (±1%, ±2%, ±5%)	10		15		22		33		47		68	
E-12 Series (±1%, ±2%, ±5%)	10	12	15	18	22	27	33	39	47	56	68	82
E-24 Series (±2%, ±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 (±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	93.1	95.3	97.6	

Pick up from Issue 4-93 pg.8 (FOR POSITION ONLY)

**CHIP JUMPER —
ZERO OHM CHIP RESISTOR**

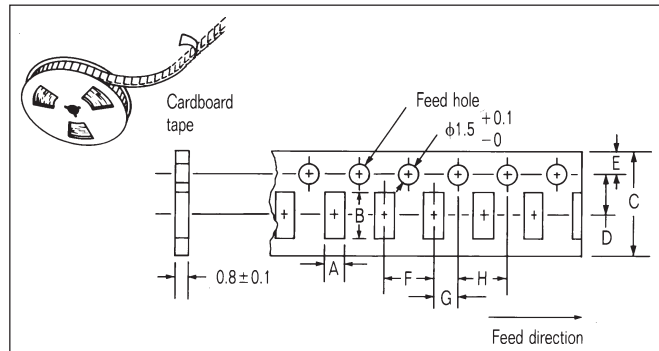


TYPE RC73JP

DIMENSIONS

- RC73JP2Y:** Size is same as thick chip resistor RC73-2Y.
- RC73JP2Z:** Size is same as thick chip resistor RC73-2Z.
- RC73JP2X:** Size is same as thick chip resistor RC73-2X.
- RC73JP2A:** Size is same as thick chip resistor RC73-2A.
- RC73JP2D:** Size is same as thick chip resistor RC73-2D.
- RC73JP2B:** Size is same as thick chip resistor RC73-2B.
- RC73JP2E:** Size is same as thick chip resistor RC73-2E.
- RC73JP2F:** Size is same as thick chip resistor RC73-2F.
- RC73JP2G:** Size is same as thick chip resistor RC73-2G.
- RC73JP2H:** Size is same as thick chip resistor RC73L-2H.
- RC73JP2I:** Size is same as thick chip resistor RC73-2I.
- RC73JP3A:** Size is same as thick chip resistor RC73L-3A.
- RC73JP3B:** Size is same as thick chip resistor RC73L-3B.

TAPING DIMENSIONS



RATING

Item	RC73JP2Y	RC73JP2Z	RC73JP2X	RC73JP2A, RC73JP2D	RC73JP2B, RC73JP2E	RC73JP2F RC72JP2G	RC73JP2H, RC73JP2I	RC73JP3A, RC73JP3B
Rating Current	0.5A	1A	1A	2A	2A		5A	5A
Max Current Surge	1A	5A	5A	*10A	*10A		*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	10K	0.4 ± 0.05	0.7 ± 0.05
2Z	Cardboard	10K	0.65 ± 0.05	1.15 ± 0.05
2X, 2C	Cardboard	5K	1.135 ± 0.05	1.95 ± 0.05
2A	Cardboard	5K	1.65 ± 0.2	2.4 ± 0.2
2D				
2B	Cardboard	5K	2.0 ± 0.2	3.6 ± 0.2
2E	Cardboard	5K	2.0 ± 0.2	3.6 ± 0.2
2F, 2G	Embossed	5K	2.9 ± 0.1	5.4 ± 0.1
2H, 2I		4K		
3A	Embossed	4K	3.6 ± 0.1	6.9 ± 0.1
3B	Embossed	4K	3.6 ± 0.1	6.9 ± 0.1

Sign	C	D	E	F	G	H
2Y, 2Z	8 ± 0.1	3.5 ± 0.05	1.75 ± 0.1	2.0 ± 0.05	1.0 ± 0.05	2.0 ± 0.05
2X, 2A, 2D, 2B, 2E	8 ± 0.1	3.5 ± 0.05	1.75 ± 0.1	4.0 ± 0.1	2.0 ± 0.05	4.0 ± 0.1
2F, 2G, 2H, 2I	12 ± 0.1	5.65 ± 0.05	1.50 ± 0.1	4.0 ± 0.1	2.0 ± 0.05	4.0 ± 0.1
3A, 3B	12 ± 0.1	5.65 ± 0.05	1.50 ± 0.1	8.0 ± 0.1	2.0 ± 0.05	4.0 ± 0.1

±1% (Unit: mm)