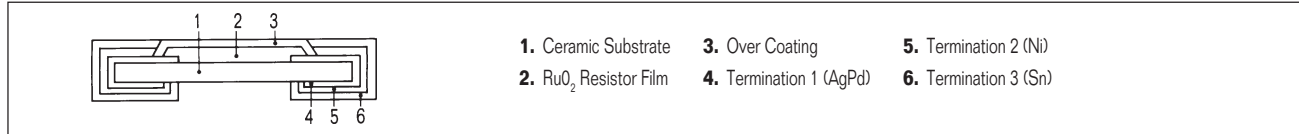


THICK FILM CHIP RESISTORS



T Y P E R C 7 3

CONSTRUCTION



DIMENSIONS

(Unit: mm)

Mark	EIA	Power Rating	L	W	H	D	d	Diagram	
								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	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)

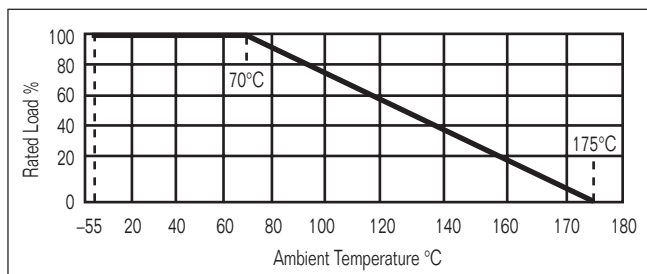
RATING

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							

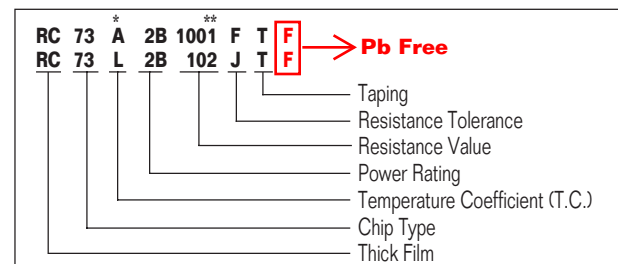
CHARACTERISTICS

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.

