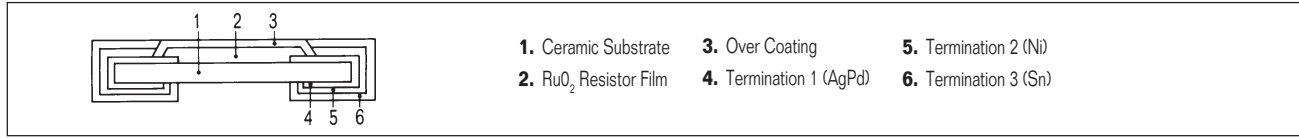




CONSTRUCTION



DIMENSIONS

(Unit: mm)

Mark	EIA	Power Rating	L	W	H	D	d
2X/2C/2N	0603	0.063W/0.1W/0.125W	1.6 ± 0.15	0.8 ± 0.15	0.45 ± 0.1	0.3 ± 0.2	0.40 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/2Q	1206	0.125W/0.25W/0.5W	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	0603		0805		1206		1210		2010		2512	
	T.C.R.	Mark	2X/2C/2N	2A/2D/2K	2B/2E/2Q	2F/2G	2H/2I	3A/3B					
T.C.R. (PPM°/C)	±100	A			200mΩ~1Ω		10mΩ	10mΩ					
T.C.R. (PPM°/C)	±200	L			51mΩ~1Ω		51mΩ~1Ω	51mΩ~1Ω					
T.C.R. (PPM°/C)	±300	G	500mΩ~1Ω	51mΩ~1Ω	25mΩ~50mΩ		21mΩ~50mΩ	21mΩ~50mΩ					
T.C.R. (PPM°/C)	±500	P		20mΩ~50mΩ	10mΩ~24mΩ	10mΩ~20mΩ	10mΩ~20mΩ	10mΩ~20mΩ					

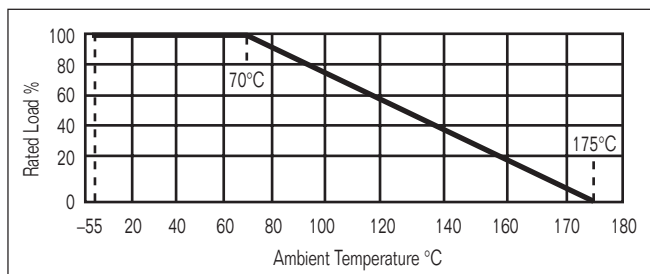
RATING

Item	T.C.R.	0603		0805		1206		1210		2010		2512	
	Mark	2X/2C/2N	2A/2D/2K	2B/2E/2Q	2F/2G	2H/2I	3A/3B						
Max Working Voltage		100V	150V	200V	200V	200V	200V						
Max Over-Load Voltage		200V	300V	400V	400V	400V	400V						
Operating Temp. Range	L, P, G	-55° ~ +125° C	-55° ~ +125° C	-55° ~ +125° C	-55° ~ +125° C	-55° ~ +125° C	-55° ~ +125° C						
Operating Temp. Range	A	-55° ~ +170° C	-55° ~ +170° C	-55° ~ +170° C	-55° ~ +170° C	-55° ~ +170° C	-55° ~ +170° C						

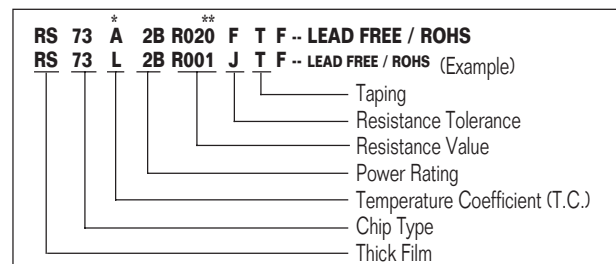
CHARACTERISTICS

Requirements	Characteristics L,G,P	Characteristics A	Test Method A,L,G,P
Short Time Over-Load	± (2.0%+0.001Ω)	± (0.5Ω)	RCWV*2.5 or Max Over-loading Voltage, 5 seconds
Resistance to Soldering Heat	± (1.0%+0.001Ω)	± (0.5Ω)	260 ± 5°C, 10 ± 1second
Load-Life	± (2.0%+0.001Ω)	± (0.5Ω)	RCWV, 70°C, 1.5 hours on, 0.5hours off 1000~1048 hours
T.C.R. of Resistance	As spec	As spec	+25/-55/25/125/25°C
Thermal Shock	± (1.0%+0.001Ω)	± (0.5Ω)	-55°C~125°C, 100 cycles
High Temperature Exposure	± (2.0%+0.001Ω)	± (0.5Ω)	1000 hours @ +125°C without load
Moisture Resistance	± (2.0%+0.001Ω)		40C, 90~95%RH, 1000 hours
Low Temperature Operation	± (1.0%+0.001Ω)		1 hour, -55°C, followed by 45 minutes of RCWV
Bending Strength	± (1.0%+0.001Ω)		5mm deflection in either direction, 10 seconds

DERATING CURVE



ORDERING INFORMATION



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

** R001 = 4 digit for 5% Tol., R020 = 4 digit for 1% Tol.