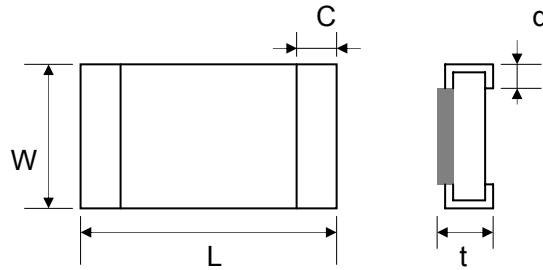


THICK FILM CHIP RESISTORS

DIMENSIONS



(Unit: mm)

	L	W	C	d	t
0201	0.6±0.03	0.3±0.03	0.1±0.05	0.15±0.05	0.23±0.03
0402	1.0±0.05	0.5±0.05	0.2±0.1	0.25±0.1	0.35±0.05
0603	1.6±0.2	0.8±0.1	0.3±0.1	0.3±0.1	0.45±0.1
0805	2.0±0.2	1.25±0.1	0.4±0.2	0.3±0.1	0.5±0.1
1206	3.2±0.2	1.6±0.2	0.5±0.3	0.4±0.2	0.6±0.1
1210	3.2±0.2	2.6±0.2	0.5±0.3	0.4±0.2	0.6±0.1
2010	5.0±0.2	2.5±0.2	0.5±0.3	0.4±0.2	0.6±0.1
2512	6.3±0.2	3.1±0.2	0.5±0.3	0.4±0.2	0.6±0.1

RATING

	Power Rating	Max. Working Voltage	Max. Overload Voltage	Resistance Tolerance	Resistance Range	T.C.R.
0201	0.05W	25V	50V	±5%	10Ω~10MΩ	±200ppm
				±1%	10Ω~1MΩ	±200ppm
0402	0.063W	50V	100V	±5%	1Ω~9.1Ω	±400ppm
					10Ω~10MΩ	±200ppm
				±1%	10Ω~1MΩ	±100ppm
					1.02MΩ~10MΩ	±350ppm
				±0.5%	10Ω~1MΩ	±200ppm

	Power Rating	Max. Working Voltage	Max. Overload Voltage	Resistance Tolerance	Resistance Range	T.C.R.				
0603	0.1W	50V	100V	±5%	1Ω~9.1Ω	±400ppm				
					10Ω~1MΩ	±200ppm				
					1.1MΩ~10MΩ	±400ppm				
				±1%	1Ω~9.76Ω	±400ppm				
					10Ω~1MΩ	±100ppm				
					1.02MΩ~10MΩ	±400ppm				
				±0.5%	10Ω~1MΩ	±100ppm				
				0805	0.125W	150V	200V	±5%	1Ω~9.1Ω	±400ppm
									10Ω~1MΩ	±200ppm
1.1MΩ~10MΩ	±400ppm									
±1%	1Ω~9.76Ω	±400ppm								
	10Ω~1MΩ	±100ppm								
	1.02MΩ~10MΩ	±400ppm								
±0.5%	10Ω~1MΩ	±100ppm								
1206	0.25W	200V	400V					±5%	1Ω~9.1Ω	±400ppm
									10Ω~1MΩ	±200ppm
				1.1MΩ~10MΩ	±400ppm					
				±1%	1Ω~9.76Ω	±400ppm				
					10Ω~1MΩ	±100ppm				
					1.02MΩ~10MΩ	±400ppm				
				±0.5%	10Ω~1MΩ	±100ppm				

	Power Rating	Max. Working Voltage	Max. Overload Voltage	Resistance Tolerance	Resistance Range	T.C.R.
1210	0.33W	200V	400V	±5%	1Ω~9.1Ω	±400ppm
					10Ω~5.6MΩ	±200ppm
					6.2MΩ~10MΩ	±400ppm
				±1%	0.1Ω~0.976Ω	±100ppm
					1Ω~9.76Ω	±400ppm
					10Ω~1MΩ	±100ppm
				±0.5%	1.02MΩ~10MΩ	±400ppm
10Ω~976KΩ	±100ppm					
2010	0.75W	200V	400V	±5%	1Ω~9.1Ω	±400ppm
					10Ω~5.6MΩ	±200ppm
					6.2MΩ~10MΩ	±400ppm
				±1%	0.1Ω~0.976Ω	±100ppm
					1Ω~9.76Ω	±400ppm
					10Ω~1MΩ	±100ppm
				±0.5%	1.02MΩ~10MΩ	±400ppm
10Ω~976KΩ	±100ppm					
2512	1W	200V	400V	±5%	1Ω~9.1Ω	±400ppm
					10Ω~5.6MΩ	±200ppm
					6.2MΩ~10MΩ	±400ppm
				±1%	1Ω~9.76Ω	±400ppm
					10Ω~1MΩ	±100ppm
					1.02MΩ~10MΩ	±400ppm
				±0.5%	10Ω~976KΩ	±100ppm

PERFORMANCE

Max. temperature for rated power	70°C
Operating temperature range	-55°C ~125°C
Short time overload	$\pm(1\%+0.1\Omega)$ max.
Temperature cycling	$\pm(1\%+0.1\Omega)$ max.
Terminal strength	$\pm(1\%+0.1\Omega)$ max.
Solderability	Min. 95% coverage
Resistance to soldering heat	$\pm(1\%+0.1\Omega)$ max.
Low temperature exposure	$\pm(1\%+0.1\Omega)$ max.
High temperature exposure	$\pm(1\%+0.1\Omega)$ max.
Moisture resistance	$\pm(2\%+0.1\Omega)$ max.
Load life in humidity	$\pm(3\%+0.1\Omega)$ max.
Load life	$\pm(3\%+0.1\Omega)$ max.