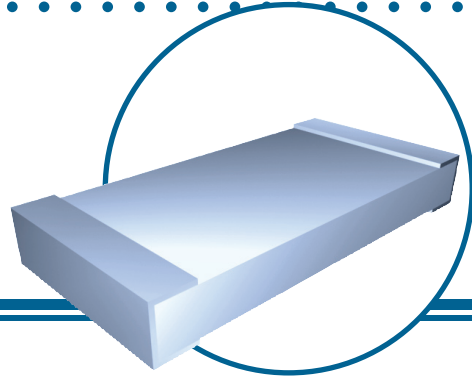


Pulse Withstanding Chip Resistors

PWC Series

- Higher power ratings
- Improved working voltage ratings
- Excellent pulse withstanding performance
- Standard 100% Tin wrap-around terminations
- Standard chip sizes available from 0805 to 2512



Electrical Data

Characteristic	0805	1206	2010	2512
Power @ 70°C	125mW	330mW	750mW	1,500mW
LEV	150V	200V	400V	500V
Resistance Range	1.0Ω to 10MΩ			
±1%, ±5%				
±0.5%	10Ω to 1MΩ			
Absolute Tolerance	±5%, ±1%, ±0.5%			
Absolute TCR*	±100ppm/°C			
Operating Temperature	-55°C to +155°C			
Termination	Wrap-around 100% Tin plated over leach resistant Ni barrier			

Environmental Data

Test		Maximum	Typical
Load at Rated Power	ΔR%	1.0	0.25
Overload (6.25 X rated power for 5 seconds)	ΔR%	1.0	0.1
High Temperature Storage (1000 hours, 155°C)	ΔR%	1.0	0.2
Moisture Resistance	ΔR%	1.0	0.25
Thermal Shock	ΔR%	0.25	0.05
Resistance to Solder Heat	ΔR%	0.25	0.05

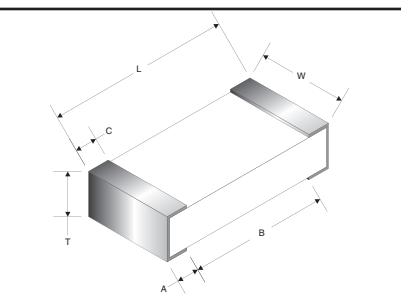
General Note

IRC reserves the right to make changes in product specification without notice or liability. All information is subject to IRC's own data and is considered accurate at time of going to print.

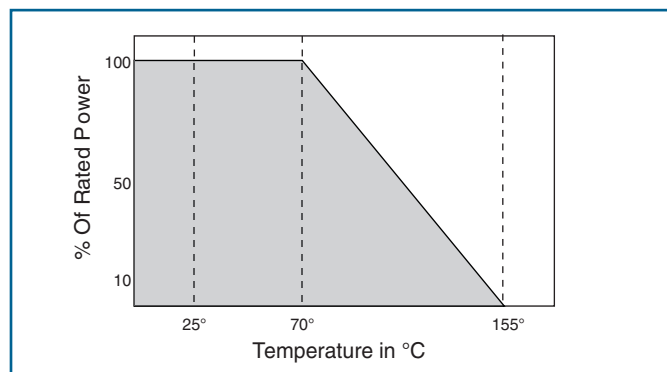
Pulse Withstanding Chip Resistors

Physical Data

	L (mm)	W (mm)	T max (mm)	A (mm)	B min (mm)	C (mm)	Weight (grams)
0805	2.0±0.3	1.25±0.2	0.6	0.3±0.15	0.9	0.3±0.1	0.009
1206	3.2±0.4	1.6±0.2	0.7	0.4±0.2	1.7	0.4±0.15	0.020
2010	5.1±0.3	2.5±0.2	0.8	0.6±0.3	3.0	N/A	0.036
2512	6.5±0.3	3.2±0.2	0.8	0.6±0.3	4.4	N/A	0.055



Power Derating Data



Ordering Data

Prefix **PWC** - **PWC** **2512LF** - **100R** - **F**

Chip Type

PWC

Chip Size and Termination

0805LF = 0805 size with 100% Tin (pb-free) termination
 1206LF = 1206 size with 100% Tin (pb-free) termination
 2010LF = 2010 size with 100% Tin (pb-free) termination
 2512LF = 2512 size with 100% Tin (pb-free) termination

Resistance Value (Use IEC62 code)

Tolerance Code

J = ±5%; F = ±1%; D = ±0.5%

For additional information or to discuss your specific requirements, please contact our Applications Team using the contact details below.