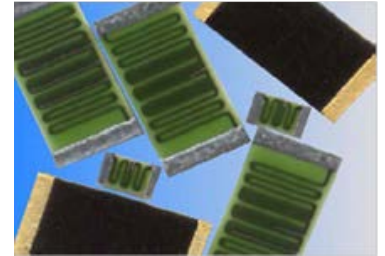


- Features:
- Ultra high stability
  - Very low noise
  - Tolerances to 0.1%
  - TCR down to 25 ppm/°C
  - RoHS compliant and halogen-free

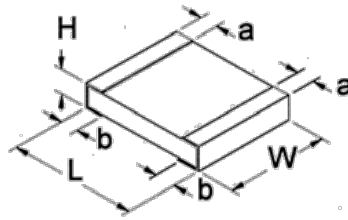


Electrical Specifications													
Type / Code	Power Rating (Watts) @ 70°C	Maximum Working Voltage	Resistane Temperature Coefficient	Ohmic Range (Ω) and Tolerance									
				0.1%	0.25%	0.5%	1%	2%	5%	10%	20%		
0402	0.04W	50V	± 50 ppm/°C ± 100 ppm/°C ± 200 ppm/°C	-						10K - 100M			
										10K - 500M		10K - 1G	
										10K - 500M	10K - 1G		
0603	0.06W	100V	± 50 ppm/°C ± 100 ppm/°C ± 200 ppm/°C	-		10K - 10M	10K - 100M		10K - 500M				
							10K - 500M		10K - 1G				
							10K - 500M	10K - 1G	10K - 10G	10K - 50G			
0805	0.2W	125V	± 50 ppm/°C ± 100 ppm/°C ± 200 ppm/°C	-		10K - 10M	10K - 500M		10K - 1G				
							10K - 1G		10K - 10G				
							10K - 1G	10K - 10G	10K - 50G				
1206	0.33W	200V	± 25 ppm/°C	1M - 10M	1M - 100M								
			± 50 ppm/°C	100K - 10M	100K - 100M	100K - 500M							
			± 100 ppm/°C	10K - 10M	10K - 100M	10K - 500M	10K - 1G						
			± 200 ppm/°C	10K - 10M	10K - 100M	10K - 500M	10K - 1G	10K - 10G	10K - 50G				
2010	1W	300V	± 25 ppm/°C	1M - 10M	1M - 100M								
			± 50 ppm/°C	100K - 10M	100K - 100M	100K - 500M							
			± 100 ppm/°C	10K - 10M	10K - 100M	10K - 500M	10K - 1G						
			± 200 ppm/°C	10K - 10M	10K - 100M	10K - 500M	10K - 1G	10K - 10G	10K - 50G				
2512	2W	350V	± 25 ppm/°C	1M - 100M	1M - 500M								
			± 50 ppm/°C	100K - 100M	100K - 500M	100K - 1G							
			± 100 ppm/°C	10K - 100M	10K - 500M	10K - 1G	10K - 10G	100K - 10G					
			± 200 ppm/°C	10K - 100M	10K - 500M	10K - 1G	10K - 10G	100K - 50G					
3512	3W	600V	± 25 ppm/°C	1M - 100M	1M - 500M								
			± 50 ppm/°C	100K - 100M	100K - 500M	100K - 1G							
			± 100 ppm/°C	10K - 100M	10K - 500M	10K - 1G	10K - 10G	100K - 10G					
			± 200 ppm/°C	10K - 100M	10K - 500M	10K - 1G	10K - 10G	100K - 50G					

Performance Characteristics	
Test	Typical Delta R
Short Time Overload	0.1%
Load Life	0.1%
Temperature Cycle	0.1%
Moisture Resistance	0.1%
Shock	0.05%
Vibration	0.05%
Dielectric Withstanding Voltage	0.05%
Resistance to Soldering Heat	0.05%

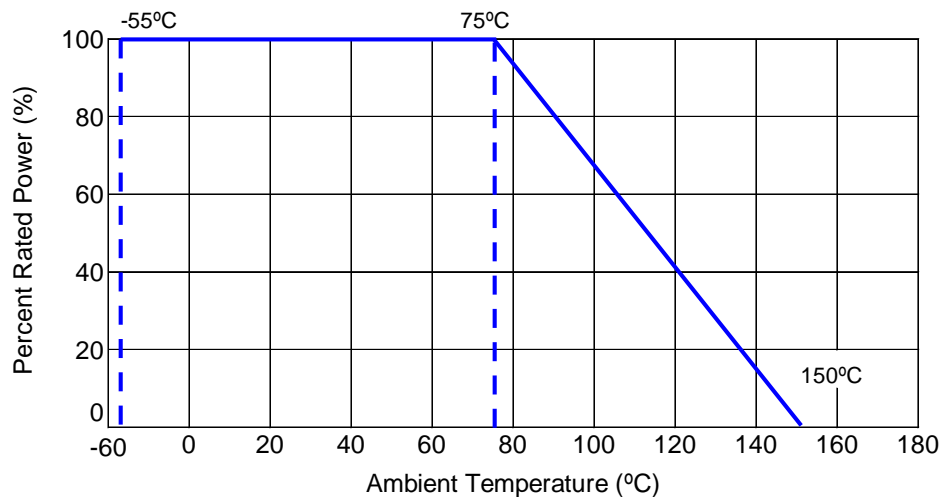
Operating Temperature Range: -55°C to +150°C

**Mechanical Specifications**



Type / Code	L Body Length	W Body Width	H Body Height (Max.)	a Top Termination	b Bottom Termination	Unit
0402	0.040 ± 0.005 1.02 ± 0.13	0.020 ± 0.003 0.51 ± 0.08	0.020 0.51	0.008 ± 0.004 0.20 ± 0.10	0.010 ± 0.004 0.25 ± 0.10	inches mm
0603	0.063 ± 0.010 1.60 ± 0.25	0.031 ± 0.005 0.79 ± 0.13	0.020 0.51	0.010 ± 0.005 0.25 ± 0.13	0.012 ± 0.008 0.30 ± 0.20	inches mm
0805	0.079 ± 0.010 2.01 ± 0.25	0.050 ± 0.005 1.27 ± 0.13	0.025 0.64	0.010 ± 0.005 0.25 ± 0.13	0.013 ± 0.008 0.33 ± 0.20	inches mm
1206	0.126 ± 0.010 3.20 ± 0.25	0.063 ± 0.005 1.60 ± 0.13	0.030 0.76	0.010 ± 0.005 0.25 ± 0.13	0.020 ± 0.010 0.51 ± 0.25	inches mm
2010	0.200 ± 0.010 5.08 ± 0.25	0.100 ± 0.005 2.54 ± 0.13	0.030 0.76	0.018 ± 0.010 0.46 ± 0.25	0.020 ± 0.010 0.51 ± 0.25	inches mm
2512	0.250 ± 0.010 6.35 ± 0.25	0.125 ± 0.005 3.18 ± 0.13	0.030 0.76	0.020 ± 0.010 0.51 ± 0.25	0.024 ± 0.010 0.61 ± 0.25	inches mm
3512	0.350 ± 0.010 8.89 ± 0.25	0.125 ± 0.005 3.18 ± 0.13	0.030 0.76	0.020 ± 0.010 0.51 ± 0.25	0.024 ± 0.010 0.61 ± 0.25	inches mm

**Power Derating Curve:**



**“Conflict Metals” Commitment**

We at Stackpole Electronics, Inc. are joined with our industry in opposing the use of metals mined in the “conflict region” of the Eastern Democratic Republic of the Congo (DRC) in our products. Recognizing that the supply chain for metals used in the electronics industry is very complex, we work closely with our own suppliers to verify to the extent possible that the materials and products we supply do not contain metals sourced from this conflict region. As such, we are in compliance with the requirements of Dodd-Frank Act regarding Conflict Minerals.

**Compliance to “REACH”**

We certify that all passive components supplied by Stackpole Electronics, Inc. are SVHC (Substances of Very High Concern) free and compliant with the requirements of EU Directive 1907/2006/EC, “The Registration, Evaluation, Authorization and Restriction of Chemicals”, otherwise referred to as REACH. Contact us for complete list of REACH Substance Candidate List.

**Environmental Policy**

It is the policy of Stackpole Electronics, Inc. (SEI) to protect the environment in all localities in which we operate. We continually strive to improve our effect on the environment. We observe all applicable laws and regulations regarding the protection of our environment and all requests related to the environment to which we have agreed. We are committed to the prevention of all forms of pollution.

**How to Order**

