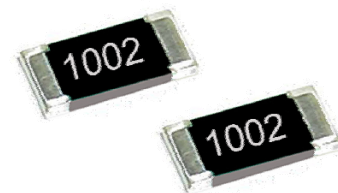


- Features:
- Handles 2W of power
 - Resistances from 0.1Ω to 1MΩ
 - RoHS compliant / lead-free
 - TCR of ± 100 ppm/°C
 - 1% and 5% tolerances
 - Runs significantly cooler than standard thick film 2512 chip



Electrical Specifications							
Type / Code	Package Type	Power Rating (Watts) @ 70°C	Maximum Working Voltage (1)	Maximum Overload Voltage	Resistance Temperature Coefficient	Ohmic Range (Ω) and Tolerance	
						1%	5%
RHC 2512	2512	2W	200V	400V	±100 ppm/°C	0.1 - 1M	0.1 - 1M

(1) Lesser of \sqrt{PR} or maximum working voltage.

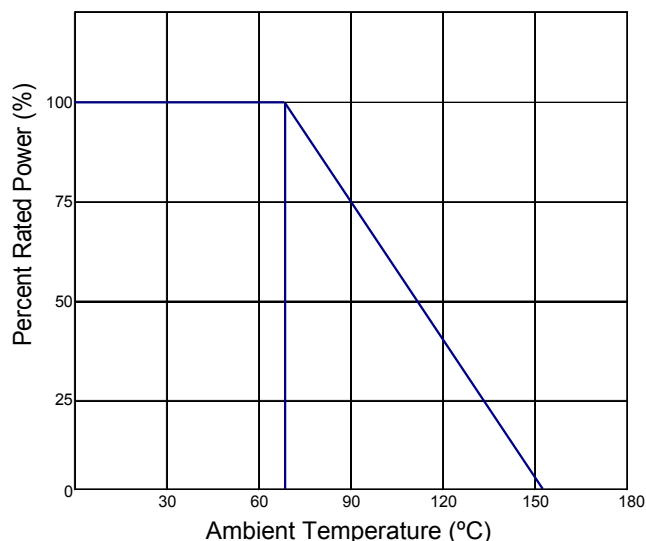
Please refer to the High Power Resistor Application Note for more information on designing and implementing high power resistor types.



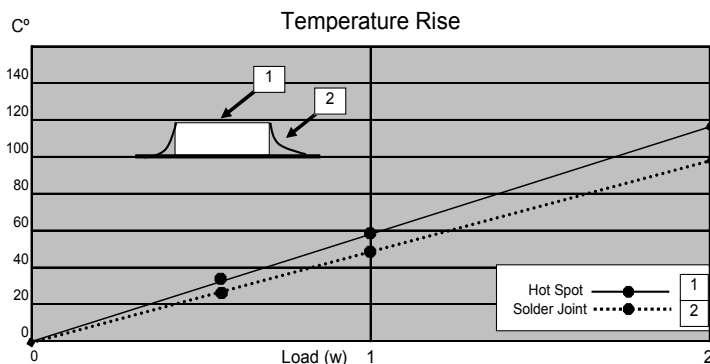
High Power Resistors

Performance Characteristics	
Test	Typical
Moisture Resistance	±1%
Load Life	±1%
Resistance to Soldering	±1%
Temperature Cycling	±1%
Thermal Shock	±1%
Short Time Overload	±1%
Insulation Resistance	≥1MΩ

Power Derating Curve:

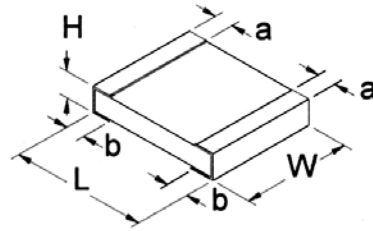


Operating Temperature Range: -55°C to +155°C



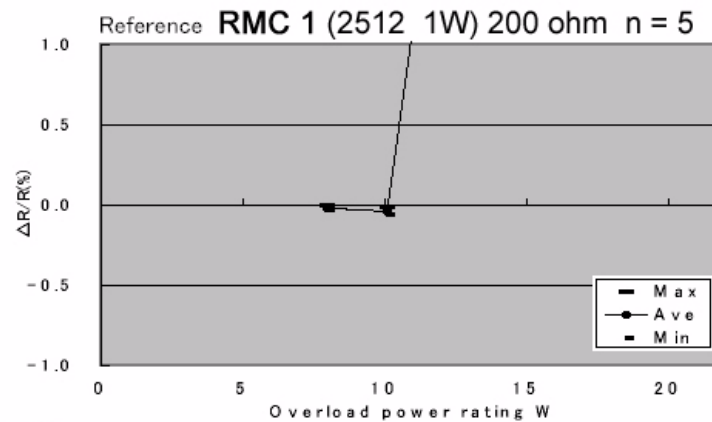
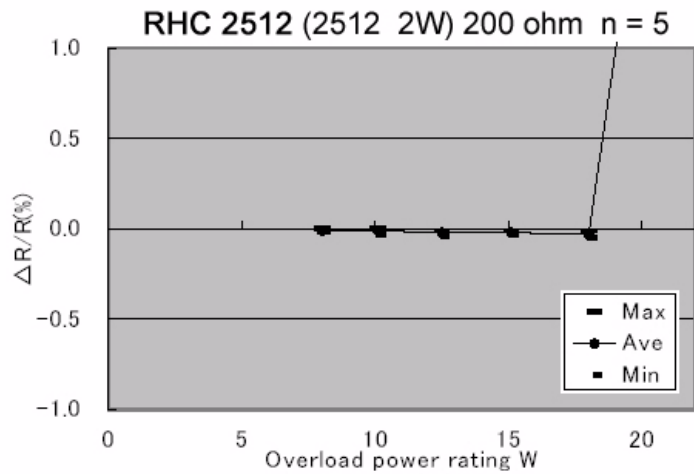
How to Order

SEI Type		Code			Nominal Resistance	Tolerance	Packaging			
RHC		2512			10K	1%	R			
Type	Description	Code	Wattage	Size	Tolerance	Values	SEI Types	Pkg Qty	Description	Code
RHC	High Power	2512	2W	2512	1%	E24, E96	RHC 2512	4,000	7" - Emboss	R
					5%	E24				



Mechanical Specifications						
Type / Code	L Body Length	W Body Width	H Body Height	a Top Termination	b Bottom Termination	Units
RHC 2512	0.248 ± 0.008	0.126 ± 0.008	0.024 ± 0.004	0.028 ± 0.008	0.087 ± 0.008	inches
	6.30 ± 0.20	3.20 ± 0.20	0.60 ± 0.10	0.70 ± 0.20	2.20 ± 0.20	mm

Solder Pad Dimensions				
Type / Code	L Total Length	W Total Width	D Pad Depth	Units
RHC 2512	0.315	0.138	0.118	inches
	8.00	3.50	3.00	mm



Test condition
Voltage(Power): 2.0, 2.25, 2.5, 2.75, 3.0, 3.25 times of rated voltage. (8W, 10.1W, 12.5W, 15.1W, 18W, 21.1W)
Applied time : Each voltage 5sec
As a reference test, the RMC was tested with the same rated voltage and testing substrate.