

RHC Series — High Power Thick Film Chip Resistor

Features

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

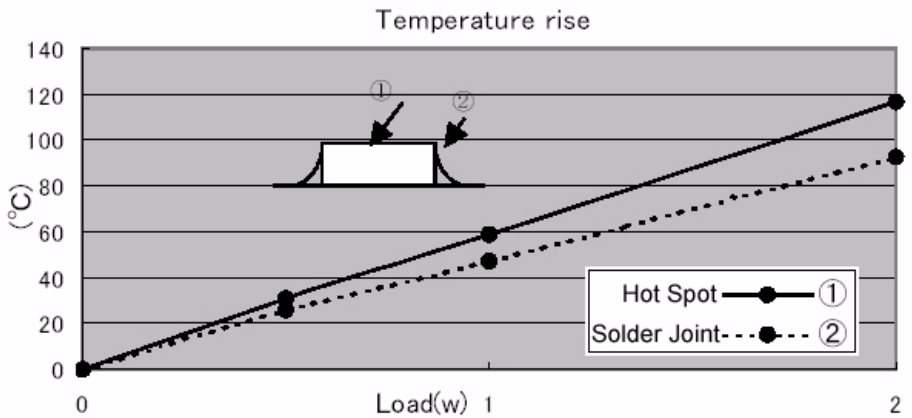


Electrical Specifications

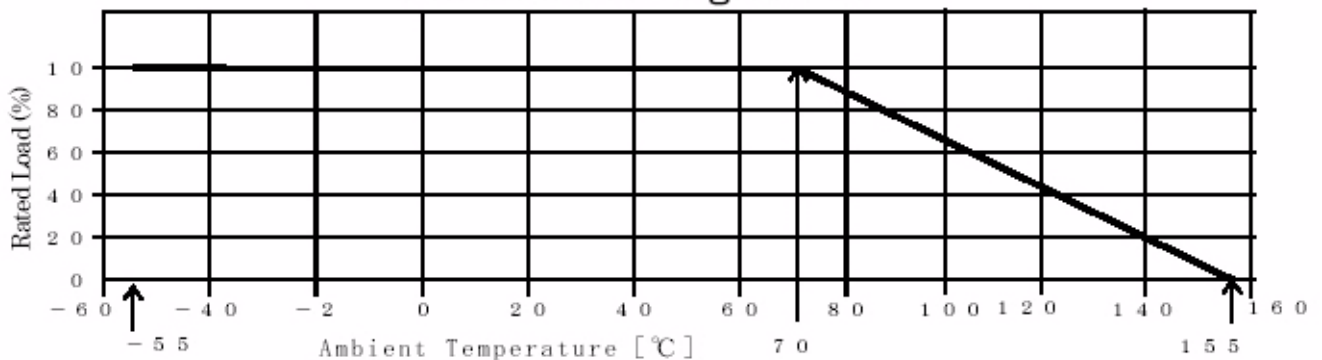
Type / Code	Package Type	Power Rating (Watts) @ 70°C	Working Voltage	Maximum Overload Voltage	Resistance Temperature Coefficient	Ohmic Range and Tolerance	
						1%	5%
RHC 2512	2512	2W	200V	400V	±100 ppm/°C	0.1Ω - 1MΩ	0.1Ω - 1MΩ

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



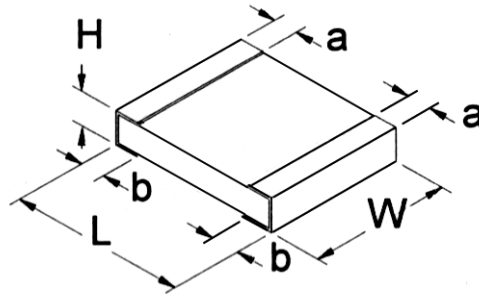
Power Derating Curve



How to Order

RHC		2512			10K		1%		R	
SEI Type		Code			Nominal Resistance		Tolerance		Packaging	
Type	Description	Code	Wattage	Size	Tolerance	SEI Types	Pkg Qty	Description	Code	
RHC	Standard	2512	2.000	2512	1% 5%	RHC 2512	4,000	7" - Emboss	R	

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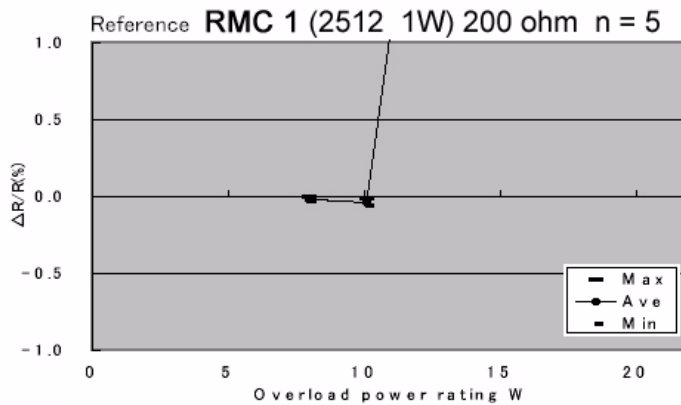
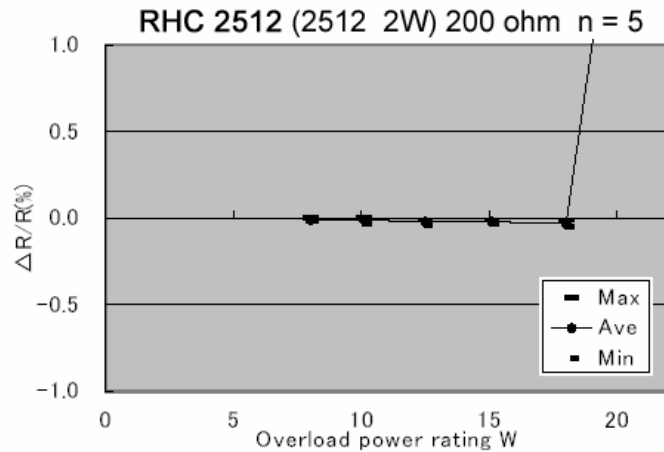
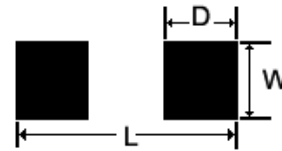


Mechanical Specifications

Type / Code	L Body Length	W Body Width	H Body Height	a Top Termination	b Bottom Termination	Units
RHC 2512	6.30 ± 0.20	3.20 ± 0.20	0.60 ± 0.10	0.7 ± 0.20	2.20 ± 0.20	mm

Solder Pad Dimensions

Type / Code	L Total Length	W Total Width	D Pad Depth	Units
RHC 2512	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.