

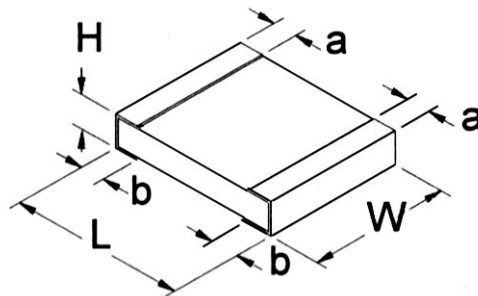
RHP02

Features

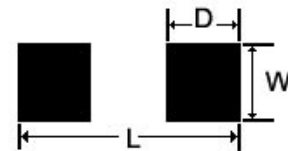
- 2W of power.
- Resistances from 0.1Ω to 1MΩ.
- 1% and 5% tolerances.
- TCR ±100ppm/°C.
- RoHS compliant / lead free.
- Runs significantly cooler than standard thick film 2512 chip.



DIMENSIONS: Units=mm					
STYLE	L Body Length	W Body Width	H Body Height	a Top Termination	b Bottom Termination
RHP02	6.30 ± 0.20	3.20 ± 0.20	0.60 ± 0.10	0.70 ± 0.20	2.20 ± 0.20



DIMENSIONS: Units=mm			
STYLE	L Total Length	W Total Width	D Pad Depth
RHP02	6.30 ± 0.20	3.20 ± 0.20	0.60 ± 0.10



PART NUMBERING SYSTEM:

RHP

02

-

2R2

J

TR

Type
RHP

Size	
Code	Wattage(Size)
02	2W (2512)

Resistance Tolerance	
F	1%
J	5%

Packaging	
Code	Description
TR	Tape & Reel

Resistance Value								
Code	1R0	10R	470	101	102	103	104	105
Values	1Ω	10Ω	47Ω	100Ω	1KΩ	10KΩ	100KΩ	1MΩ

First two digits are significant figures and third digit is number of zeros.
Letter "R" indicates decimal values under 100 ohms.

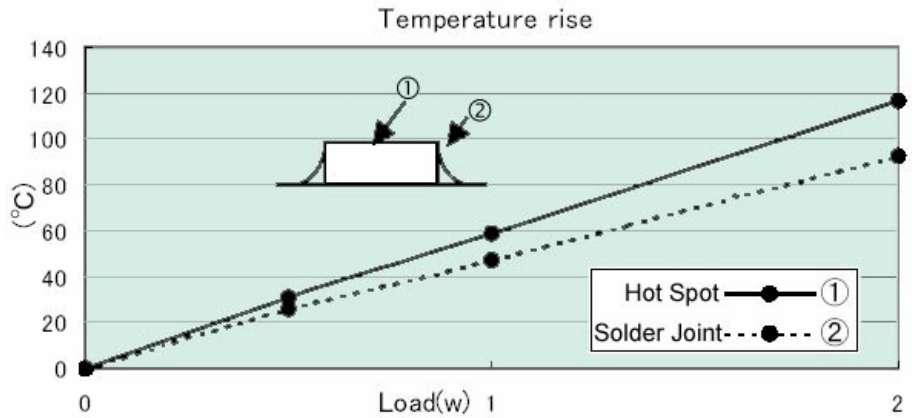


RHP02

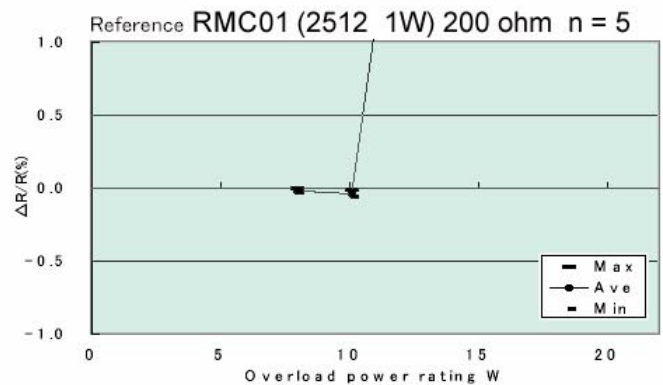
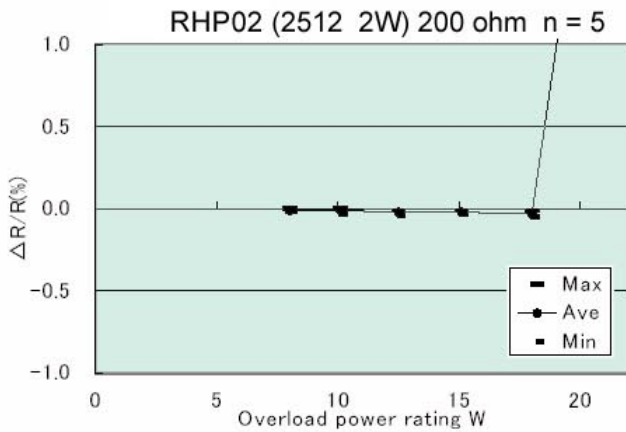
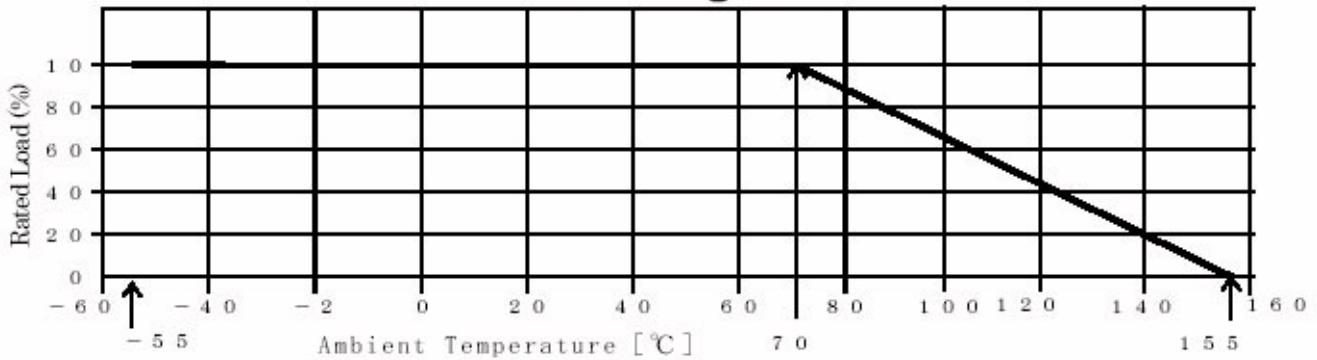
LEADFREE
RoHS Compliant

ELECTRICAL SPECIFICATIONS							
STYLE	Package Type	Power Rating (Watts) @ 70°C	Working Voltage	Maximum Overload Voltage	Resistance Temperature Coefficient	Ohmic Rnage and Tolerance	
						1%	5%
RHP02	2512	2	200	400	±100ppm/°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



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.