

RGH series, high-power and high-precision metal film chip resistors

SSM
THIN FILM TECHNOLOGY

NEW Resistors with high power in small size are realized as 1/6W for $1.6 \times 0.8\text{mm}$ (0603),

1/4W for $2.0 \times 1.25\text{mm}$ (0805) size and 1/8W for $1.0 \times 0.5\text{mm}$ (0402) size.
Tight resistance tolerance of $\pm 0.1\%$ and temperature coefficient of resistance of $\pm 25\text{ppm}/^\circ\text{C}$ are achieved.

Operating temperature range: $-55 \sim 155^\circ\text{C}$

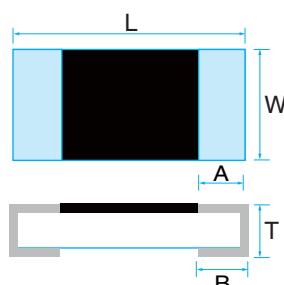
RoHS compliant

Completely lead free



SPECIFICATIONS

Mechanical



Dimension (Inch Size)	RGH1005-2B (0402)	RGH1608-2C (0603) NEW	RGH2012-2E (0805)
L	1.0 ± 0.05	1.6 ± 0.2	2.0 ± 0.2
W	0.5 ± 0.05	0.8 ± 0.2	1.25 ± 0.2
A	0.2 ± 0.10	0.3 ± 0.2	0.4 ± 0.2
B	0.25 ± 0.05	0.3 ± 0.2	0.4 ± 0.2
T	0.35 ± 0.05	0.4 ± 0.1	0.4 ± 0.1

(unit : mm)

Electrical

Type	RGH1005-2B	RGH1608-2C NEW	RGH2012-2E
Power	1/8W	1/6W	1/4W
Tolerance % (code)	$\pm 0.1\%$ (B), $\pm 0.5\%$ (D)	$\pm 0.5\%$ (D), $\pm 0.1\%$ (B)	$\pm 0.1\%$ (B), $\pm 0.5\%$ (D)
Resistance range (Ω)	47~100k	47~360k	47~470k
TCR ppm/ $^\circ\text{C}$ (code)	$\pm 25\text{ppm}/^\circ\text{C}$ (P)	$\pm 25\text{ppm}/^\circ\text{C}$ (P)	$\pm 25\text{ppm}/^\circ\text{C}$ (P)
Max Operating Voltage	75V	100V	125V
Resistance value	E-24, E-96	E-24, E-96	E-24, E-96
Operating Temp. Range	$-55 \sim 155^\circ\text{C}$	$-55 \sim 155^\circ\text{C}$	$-55 \sim 155^\circ\text{C}$
Package	10,000pcs/reel	5,000pcs/reel	5,000pcs/reel

· RGH1608 with 1/5W power consumption are available to meet your needs.



PART NUMBER

RGH 1005 - 2B - P - 102 - B

Resistance Tolerance

Resistance(E-24:in a 3 digit,E-96:in a 4 digit)

Temperature coefficient of resistance

Power(2B for 1/8W, 2C for 1/6W, 2E for 1/4W)

Dimension

Part Code