

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



**NEW** Resistors with high power in small size are realized as 1/6W for 1.6×0.8mm(0603), 1/4W for 2.0×1.25mm(0805) size and 1/8W for 1.0×0.5mm(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:  $-55\sim 155^\circ\text{C}$

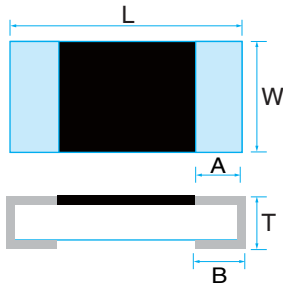
RoHS compliant

Completely lead free



### SPECIFICATIONS

#### Mechanical



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

(unit : mm)

#### Electrical

Type	RGH1005-2B	RGH1608-2C <b>NEW</b>	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 ( $\Omega$ )	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