

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

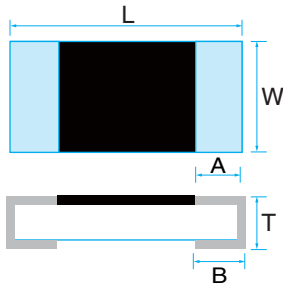
RoHS compliant

Completely lead free



SPECIFICATIONS

Mechanical



Dimension (Inch Size)	RGH1005-2B (0402)	RGH1608-2C (0603) 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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Susumu:

<u>RGH2012-2E-P-510-B</u>	<u>RGH2012-2E-P-102-B</u>	<u>RGH2012-2E-P-104-B</u>	<u>RGH2012-2E-P-122-B</u>	<u>RGH2012-2E-P-121-B</u>
<u>RGH2012-2E-P-151-B</u>	<u>RGH2012-2E-P-101-B</u>	<u>RGH2012-2E-P-103-B</u>	<u>RGH2012-2E-P-473-B</u>	<u>RGH2012-2E-P-471-B</u>
<u>RGH2012-2E-P-472-B</u>	<u>RGH2012-2E-P-474-B</u>	<u>RGH2012-2E-P-470-B</u>	<u>RG1608PB-KIT</u>	<u>RGH2012-2E-P-560-B</u>
<u>RGH2012-2E-P-303-B</u>	<u>RGH2012-2E-P-302-B</u>	<u>RGH2012-2E-P-391-B</u>	<u>RGH2012-2E-P-333-B</u>	<u>RGH2012-2E-P-331-B</u>
<u>RGH2012-2E-P-393-B</u>	<u>RGH2012-2E-P-392-B</u>	<u>RGH2012-2E-P-222-B</u>	<u>RGH2012-2E-P-153-B</u>	<u>RGH2012-2E-P-152-B</u>
<u>RGH2012-2E-P-751-B</u>	<u>RG2012PB-KIT</u>	<u>RGH2012-2E-P-201-B</u>	<u>RGH2012-2E-P-241-B</u>	<u>RGH2012-2E-P-204-B</u>
<u>RGH2012-2E-P-203-B</u>	<u>RGH2012-2E-P-202-B</u>	<u>RGH1608-2C-P-101-B</u>	<u>RGH1608-2C-P-102-B</u>	<u>RGH1608-2C-P-103-B</u>
<u>RGH1608-2C-P-104-B</u>	<u>RGH1608-2C-P-111-B</u>	<u>RGH1608-2C-P-112-B</u>	<u>RGH1608-2C-P-113-B</u>	<u>RGH1608-2C-P-114-B</u>
<u>RGH1608-2C-P-121-B</u>	<u>RGH1608-2C-P-122-B</u>	<u>RGH1608-2C-P-123-B</u>	<u>RGH1608-2C-P-124-B</u>	<u>RGH1608-2C-P-131-B</u>
<u>RGH1608-2C-P-132-B</u>	<u>RGH1608-2C-P-133-B</u>	<u>RGH1608-2C-P-134-B</u>	<u>RGH1608-2C-P-151-B</u>	<u>RGH1608-2C-P-152-B</u>
<u>RGH1608-2C-P-153-B</u>	<u>RGH1608-2C-P-154-B</u>	<u>RGH1608-2C-P-161-B</u>	<u>RGH1608-2C-P-162-B</u>	<u>RGH1608-2C-P-163-B</u>
<u>RGH1608-2C-P-164-B</u>	<u>RGH1608-2C-P-181-B</u>	<u>RGH1608-2C-P-182-B</u>	<u>RGH1608-2C-P-183-B</u>	<u>RGH1608-2C-P-184-B</u>
<u>RGH1608-2C-P-201-B</u>	<u>RGH1608-2C-P-202-B</u>	<u>RGH1608-2C-P-203-B</u>	<u>RGH1608-2C-P-204-B</u>	<u>RGH1608-2C-P-221-B</u>
<u>RGH1608-2C-P-222-B</u>	<u>RGH1608-2C-P-223-B</u>	<u>RGH1608-2C-P-224-B</u>	<u>RGH1608-2C-P-241-B</u>	<u>RGH1608-2C-P-242-B</u>
<u>RGH1608-2C-P-243-B</u>	<u>RGH1608-2C-P-244-B</u>	<u>RGH1608-2C-P-271-B</u>	<u>RGH1608-2C-P-272-B</u>	<u>RGH1608-2C-P-273-B</u>
<u>RGH1608-2C-P-274-B</u>	<u>RGH1608-2C-P-301-B</u>	<u>RGH1608-2C-P-302-B</u>	<u>RGH1608-2C-P-303-B</u>	<u>RGH1608-2C-P-304-B</u>
<u>RGH1608-2C-P-331-B</u>	<u>RGH1608-2C-P-332-B</u>	<u>RGH1608-2C-P-333-B</u>	<u>RGH1608-2C-P-334-B</u>	<u>RGH1608-2C-P-361-B</u>
<u>RGH1608-2C-P-362-B</u>	<u>RGH1608-2C-P-363-B</u>	<u>RGH1608-2C-P-364-B</u>	<u>RGH1608-2C-P-391-B</u>	<u>RGH1608-2C-P-392-B</u>
<u>RGH1608-2C-P-393-B</u>	<u>RGH1608-2C-P-431-B</u>	<u>RGH1608-2C-P-432-B</u>	<u>RGH1608-2C-P-433-B</u>	<u>RGH1608-2C-P-470-B</u>
<u>RGH1608-2C-P-471-B</u>	<u>RGH1608-2C-P-472-B</u>	<u>RGH1608-2C-P-473-B</u>	<u>RGH1608-2C-P-510-B</u>	<u>RGH1608-2C-P-511-B</u>