



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



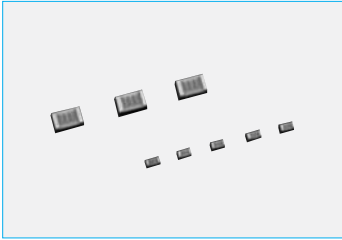
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RGH series, high-power and high-precision metal film chip resistors



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 ±0.1% and temperature coefficient of resistance of ±25ppm/°C are achieved. Operating temperature range: -55~155°C

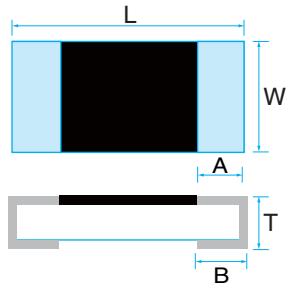
RoHS compliant

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) | ±0.1%(B), ±0.5%(D) | ±0.5%(D), ±0.1%(B) | ±0.1%(B), ±0.5%(D) |
| Resistance range (Ω) | 47~100k | 47~360k | 47~470k |
| TCR ppm/°C(code) | ±25ppm/°C(P) | ±25ppm/°C(P) | ±25ppm/°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 | -55~155°C | -55~155°C | -55~155°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

