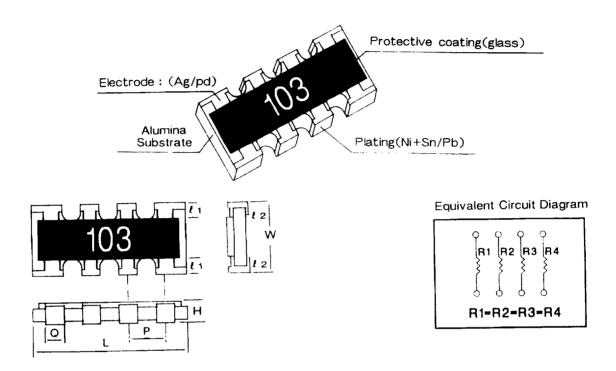
ROYAL OHM

Chip Resistors Array



Dimension (mm)

								an da
H4WG	RMC4D03 (0603)	3.2 ± 0.2	1.6 ± 0.2	0.5 ± 0.1	0.3 ± 0.15	0.3 ± 0.15	0.8 ± 0.1	0.5 == 0.15

Rating

Kaung								
H4WG	RMC4D03 (0603)	1/16W	50V	100V	-55°C ~+125°C	100Ω~ 560ΚΩ	10Ω ~1ΜΩ	1A

ROYAL OHM

Chip Resistors Array

Performance Specifications

Temperature coefficient		stance change per temp. degree ce x 106 (PPM / °C)	± 5% 10Ω 10MΩ ≤ ±400PPM		
JIS - C - 5202 5.2	R ₁ : Resistan	nce value at room temperature (t ₁) ace value at room temp. plus 100 : Room temp., Room temp.+100	± 1% 100Ω 560KΩ ≤ ±200PPM		
Short - time overload JIS - C - 5202 5.5	Permanent re RCWV for 5	esistance change after the applicate seconds.	$\pm (2.0\% + 0.1\Omega) \text{ Max.}$		
Insulation resistance JIS - C - 5202 5.6	Apply 500V measure.	1,000 Megaohm or more			
Dielectric withstanding voltage JIS - C - 5202 5.7	Apply 500V	AC between protective coating a	No evidence of flashover mechanical damage, arcing or insulation break down		
Terminal bending JIS - C - 5202 6.1.4		0mm for 10 seconds	$\pm (1.0\% + 0.05\Omega)$ Max.		
Soldering Heat JIS - C - 5202 6.4	260 ± 5 °C aı	for into a solder bath having a term and hold it for 10 ± 1 seconds	Resistance change rate is $\pm (1.0\% + 0.05\Omega)$ Max.		
Solderability JIS - C - 5202 6.5	Dipping then	ture of solder 235 °C \pm 5 ° n in solder : 3 \pm 0.5 seconds	95% coverage Min.		
	Resistance ch	nange after continuous five cycles			
Temperature cycling	Step	Temperature	Time		
JIS - C - 5202 7.4	1	-55 °C ± 3 °C	30 mins	Resistance change rate is \pm ($1.0\% + 0.05\Omega$)	
7.4	2	Room temp.	10 - 15 mins	Max.	
	3	+125 °C ± 2 °C	30 mins		
	4	Room temp.	10 - 15 mins		
Load life in humidity JIS - C - 5202 7.9	Resistance ch RCWV in a h relative humie	nange after 1,000 hours (1.5 hours numidity chamber controlled at 40 dity.	$\pm (3.0\% + 0.1\Omega)$ Max.		
Load Life JIS - C - 5202 7.10	Permanent restat RCWV, with at 70 °C ± 2	sistance change after 1,000 hours th duty cycle 1.5 hours "on", 0.5 l °C ambient	$\pm (3.0\% + 0.1\Omega)$ Max.		

^{*}RCWV = Rated Continuous Working Voltage = \(\sqrt{\text{Rated Power} \times \text{Resistance Value}} \)

Marking

 $1) \pm 5\%$ Tolerance : The first two digits are significant of resistance and the third one denotes number of zeros following:

Example: $273 \rightarrow 27000 \rightarrow 27 \text{ K}\Omega$

2) Below 10 Ω shown as following:

Example: $4R7 \rightarrow 4.7 \Omega$

 $3) \pm 1\%$ Tolerance : 4 digits, The first three are significant, the fourth digit is number of zeros. Letter R is decimal point.

Example: $3901 \rightarrow 3900 \rightarrow 3.9 \text{ K}\Omega$

 $4R99 \rightarrow 4.99 \Omega$

4) For E- 96 Series ($\pm\,1\%$ - F Tolerance) in 0603 size