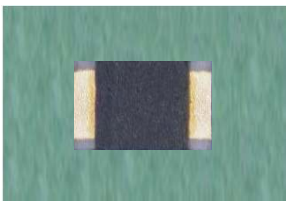
Wire-bond Purpose Chip Resistor

Hokuriku Electric Industry Co.,Ltd

【Model Number】

CR16Au/UCR16Au

【Features】



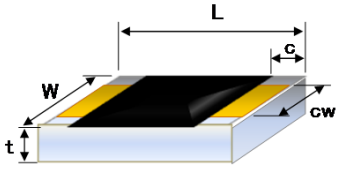
■By using base electrode material which has excellent adhesion to substrate, high reliability of bonding strength was realized.

■Due to large terminal area, bondability is excellent.

■Wide range of resistance range can be available.
CR16Au : for normal resistance range
UCR16Au : for ultra high resistance, up to 100GΩ

■Europe RoHS compliant product.

【Dimensions】



(Unit: mm)

Model No.	L	W	t	c	cw
CR16Au UCR16Au	1.60±0.20	0.80 +0.20/−0.10	0.40 +0.15/−0.05	0.25 +0.15/−0.10	0.60±0.20

【Designation】

CR16Au - 103 J V
① ② ③ ④

①Model No.

Model No.	Size
CR16Au	1608
UCR16Au	1608

②Resistance Value

Marking	Resistance
103	10KΩ

$103 = 10 \times 10^3 = 10{,}000\,\Omega = 10\mathrm{K}\Omega$

③Resistance Tolerance

Symbol	Tolerance
F	±1.0%
J	±5.0%
K	±10%
M	±20%
N	±30%
H	±50%

③Packing Form

Symbol	Form
V	Paper tape
B	Bulk

【Specification】

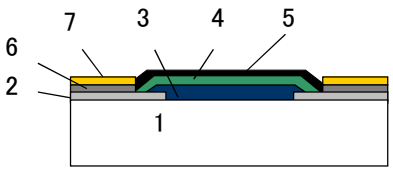
Model No.	Rated power (W) at 70℃	Tolerance	Range (Ω)	TCR (ppm/℃)	Max.Working Voltage	Max.Overload Voltage
CR16Au	0.10	F (±1%) J (±5%)	10～1M	±200	50V	100V

Model No.	Tolerance	Range (Ω)	TCR (ppm/℃)	VCR (5～15V) (%/V)	Max.Overload Voltage	The highest continuous use voltage
UCR16Au	K (±10%) M (±20%) N (±30%)	33M≦R<100M	0 ～ -1000	0 ～ -0.1	100V	15V
		100M≦R≦1G	0 ～ -1500	0 ～ -0.5		
	M (±20%) N (±30%) H (±50%)	1G<R≦10G	0 ～ -3500	0 ～ -2.5		
	N (±30%) H (±50%)	10G<R≦100G	0 ～ -3500			

＊Operating temperature range: −55～+155 ℃
＊Other size except the above will be made available.

【Structure】

No.	Element Name
1	Substrate
2	Top electrode
3	Resistive element
4	Protective coat I (CR16Au only)
5	Protective coat II
6	Ni plating
7	Au plating



＊Design・specification are subject to change without prior notice. Please check before purchase and use.