

# Wire-bond Purpose Chip Resistor

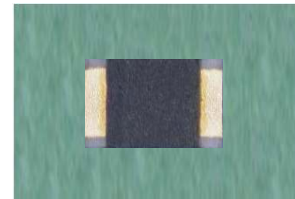
Hokuriku Electric Industry Co.,Ltd



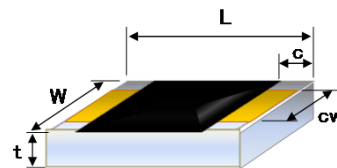
**【Model Number】**  
CR16Au/UCR16Au

**【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	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
UCR16Au					

**【Designation】**

CR16Au - 103 J V

① Model No.		② Resistance Value		③ Resistance Tolerance		④ Packing Form	
Model No.	Size	Marking	Resistance	Symbol	Tolerance	Symbol	Form
CR16Au	1608	103	10KΩ	F	±1.0%	V	Paper tape
UCR16Au	1608	103 = 10 × 10 <sup>3</sup> = 10,000Ω = 10KΩ		J	±5.0%	B	Bulk
				K	±10%		
				M	±20%		
				N	±30%		
				H	±50%		

**【Specification】**

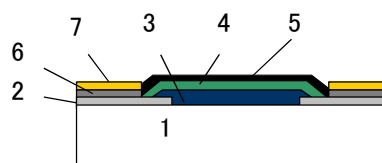
Model No.	Rated power (W) at 70°C	Tolerance	Range (Ω)	TCR (ppm/°C)	Max. Working Voltage	Max. Overload Voltage
CR16Au	0.10	F (±1%) J (±5%)	10~1M	±200	50V	100V

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

\* Operating temperature range: -55~+155 °C  
\* 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.