

Flat Type Ultra-High Resistance Chip Resistor

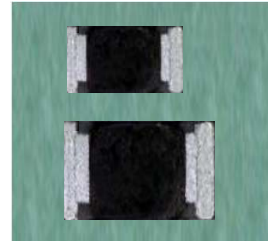
Hokuriku Electric Industry Co.,Ltd



【Model Number】
UCR**

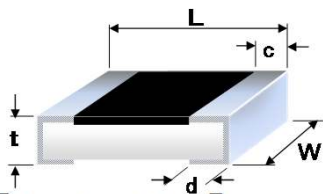
【Features】

- [Original resistive material covers up to 100GΩ.](#)
- [Europe RoHS compliant product.](#)
- Suitable for the following applications.
 - Various Sensors
 - Various kinds of measuring equipment



【Dimensions】

(Unit: mm)



Model No.	L	W	t	c	d
UCR16	1.60±0.15	0.80 +0.20/-0.10	0.40 +0.15/-0.05	0.25±0.20	0.25±0.20
UCR20	2.00 +0.20/-0.10	1.25 +0.20/-0.10	0.50 +0.15/-0.05	0.40±0.20	0.40±0.20

【Designation】

UCR16 - 10G M V

① Model No.		② Resistance Value		③ Resistance Tolerance		④ Packing Form	
Model No.	Size	Marking	Resistance	Symbol	Tolerance	Symbol	Form
UCR16	1608	10G	10GΩ	K	±10%	V	Paper tape
UCR20	2012			M	±20%	B	Bulk
			Indicate M of mega, G of giga as a unit.	N	±30%		
		(Marking)	(Resistance)	H	±50%		
		100M	100MΩ				
		10G	10GΩ				

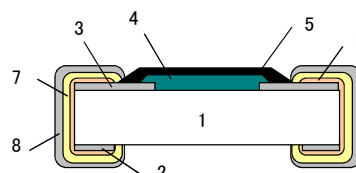
【Specification】

Model No.	Tolerance	Range (Ω)	TCR (ppm/°C)	VCR (5~15V) (%/V)	Max.Overload Voltage	The highest continuous use voltage
UCR16	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	0 ~ -3500	-		
UCR20	K (±10%)	33M ≤ R < 100M	0 ~ -1000	0 ~ -0.1	150V	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	0 ~ -3500	-		

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

【Structure】

No.	Element Name
1	Substrate
2	Bottom electrode
3	Top electrode
4	Resistive element
5	Protective coat
6	Side electrode
7	Ni plating
8	Sn plating



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