

Model No.

**UCR\*\***

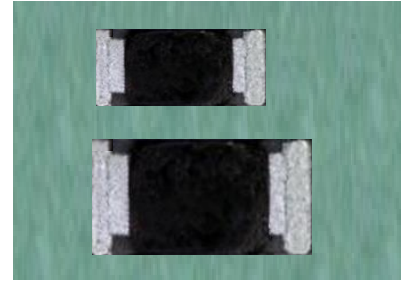
## ■ Features

• Covers up to 100GΩ with proprietary resistive material

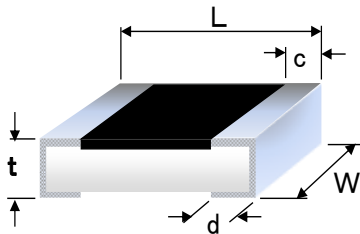
Compliant with European RoHS Compliance

• Ideal for the following applications.

- Pyroelectric sensor
- Various Measuring Equipment
- Combustion pressure sensor



## ■ Dimensions



(Unit: mm)

Model	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

## ■ Specifications

Model	Resistance Value Tolerance	Resistance Value Range (Ω)	TCR (ppm/° C)	VCR (5 to 15V) (%/V)	Max. Overload voltage	Maximum Continuous Operating 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%)	1G < R ≤ 10G	0~-3500	0~-2.5		
UCR20	N (±30%)	10G < R ≤ 100G	0~-3500	-	150V	15V
	M (±20%)	33M ≤ R < 100M	0~-1000	0~-0.1		
	N (±30%)	100M ≤ R ≤ 1G	0~-1500	0~-0.5		
UCR20	N (±30%)	1G < R ≤ 10G	0~-3500	0~-2.5	150V	15V
	H (±50%)	10G < R ≤ 100G	0~-3500	-		
	H (±50%)	10G < R ≤ 100G	0~-3500	-		

\*Operating Temperature Range: -55 to +125° C

## ■ Construction

No.	Component Name
1	Substrate
2	Back Electrode
3	Surface Electrode
4	Resistor
5	Protective coat
6	Side Electrode
7	Ni Plating
8	Sn Plating

