High Precision Chip Fixed Resistor (Under Development)

Model No.

HRCR***

HRCR:HighReliabilityChipResistor

■Features

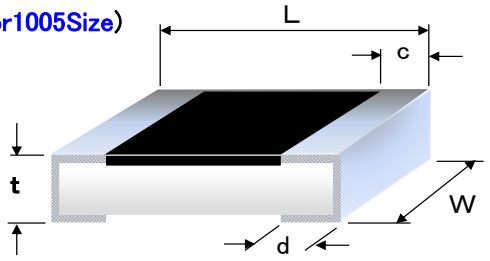
Utilizing our proprietary structure and measurement techniques, it achieves
High precision Chip Resistor

SupportsincreasedRated Power compared to conventional products(0.125Wratedfor1005Size)

Resistance Value Tolerance:±0.10%,±0.25%,±0.50%
T.C.R.Cguaranteed (−55to25° C:−50to+25ppm/° C)
VA possible by replacing Thin Film resistors

Compatible withreflow and Flowsoldering

・Compliantwith European RoHS Compliance.
Lead−Free materials adopted; full Lead−Free compliance planned



■Dimensions

(Unit: mm)

Model	L	W	t	c	d
HRCR10	1.00±0.05	0.50±0.05	0.35±0.05	0.20±0.10	0.25±0.10
HRCR16	1.60±0.15	0.80±0.15	0.45±0.10	0.25±0.20	0.25±0.20
HRCR20	2.00+0.20/−0.10	1.25+0.20/−0.10	0.50±0.10	0.40±0.20	0.40±0.20

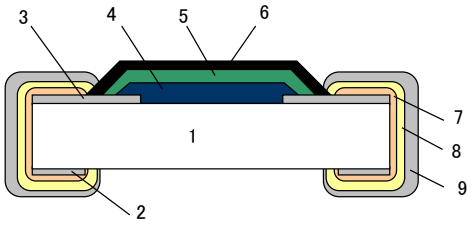
■Specifications

Model	Rated Power (W)	Resistance Value Tolerance	Resistance Value Range (Ω)	TCR (ppm/° C)	Max. Working voltage	Max. Overload voltage
HRCR10	0.125	B−grade (±0.10%) C−grade (±0.25%) D−grade (±0.50%)	10 to 1M	25～+155℃:±25 −55～25℃:−50～+25	75V	100V
HRCR16	0.200		10 to 1M	25～+155℃:±25 −55～25℃:−50～+25	100V	150V
HRCR20	0.250		10 to 1M	25～+155℃:±25 −55～25℃:−50～+25	150V	300V

*Operating temperature range: −55 to +155° C

■Structure

No.	Component Name HRCR10/16/20
1	Ceramic Substrate
2	Back Electrode
3	Surface Electrode
4	Resistor
5	Protective coat I
6	Protective coat II
7	Side Electrode
8	Ni Plating
9	Sn Plating



*This product is under development. Design and Specifications are subject to change without notice. Please verify before purchase and use.