Flat Type Extremely-Low Resistance Chip Resistor

Hokuriku Electric Industry Co.,Ltd

【Model Number】

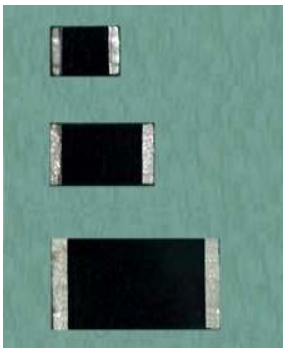
ECR**

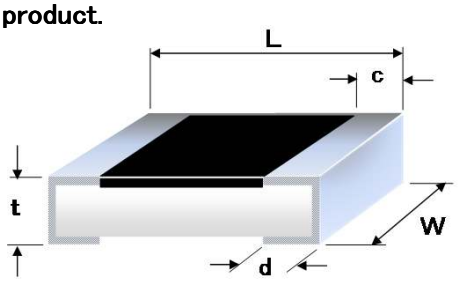
【Features】

■Extremely-low resistance (50mΩ～) chip resistor for current detection

■Reflow, Flow solderings are applicable.

■Europe RoHS compliant product.





【Dimensions】

(Unit: mm)

Model No.	L	W	t	c	d
ECR20	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
ECR32	3.20±0.10	1.60±0.10	0.55±0.10	0.40±0.20	0.55±0.10
ECR50	5.00±0.15	2.50±0.15	0.56±0.15	0.25±0.25	0.60±0.25

【Designation】

ECR20 - R051 J V

① ② ③ ④

①Model No.

Model No.	Size
ECR20	2012
ECR32	3216
ECR50	5025

②Resistance Value

Marking	Resistance
R051	51mΩ

R051=51mΩ
R is decimal point.

③Resistance Tolerance

Symbol	Tolerance
F	±1.0%
J	±5.0%

③Packing Form

Symbol	Form
V	Paper tape
E	Emboss tape
B	Bulk

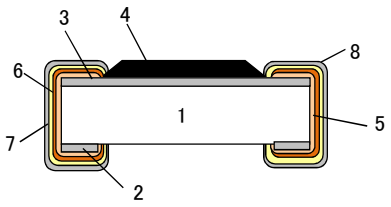
【Specification】

Model No.	Rated power (W) at 70℃	Tolerance	Range (Ω)	TCR (ppm/℃)
ECR20	0.250	F (±1.0%) J (±5.0%)	0.05～0.091	±100
ECR32	0.500	F (±1.0%) J (±5.0%)	0.05～0.091	±100
ECR50	1.000	F (±1.0%) J (±5.0%)	0.05～0.091	±100

＊ Operating temperature range: −55～+155 ℃

【Structure】

No.	Element Name
1	Ceramic substrate
2	Bottom electrode
3	Conductor
4	Protective coat Ⅰ
5	Side electrode
6	Cu plating
7	Ni plating
8	Sn plating



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