

Flat Type Extremely-Low Resistance Chip Resistor

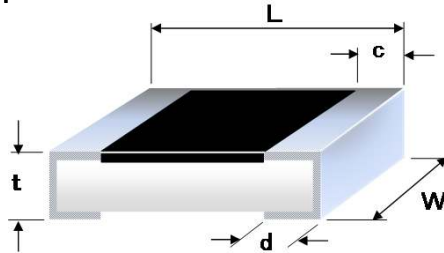
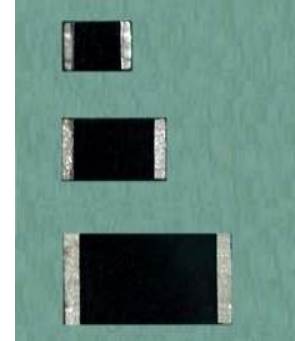
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【Model Number】
ECR**

【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】

①
②
③
④

① Model No.	
Model No.	Size
ECR20	2012
ECR32	3216
ECR50	5025

② Resistance Value	
Marking	Resistance
R051	51mΩ
R051=51mΩ R is decimal point.	

③ Resistance Tolerance	
Symbol	Tolerance
F	±1.0%
J	±5.0%

④ Packing Form	
Symbol	Form
V	Paper tape
E	Emboss tape
B	Bulk

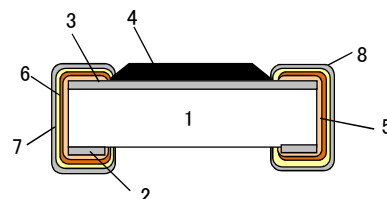
【Specification】

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

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

【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.