

Model No.

WCRES**

■ Features

• High-power type sulfide-resistant product with long-side electrode configuration.

• By using a special surface electrode material, it exhibits excellent sulfidation resistance characteristics.

• High power capability enables reduction in component footprint.

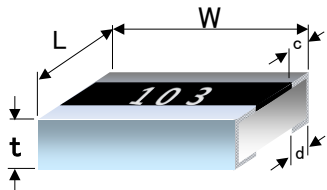
• Long-side electrode configuration (expanded electrode area) enhances solder joint Reliability.

• The large electrode area. Excellent heat dissipation contributes to suppressing



■ Dimensions

(Unit: mm)



Model	L	W	t	c	d
WCRES20	1.20±0.15	2.00±0.15	0.55±0.10	0.30±0.20	0.40±0.20
WCRES32	1.60±0.15	3.20±0.15	0.55+0.15/-0.05	0.30±0.20	0.50±0.20
WCRES50	2.50±0.20	5.00±0.20	0.56±0.15	0.50±0.20	0.60±0.20
WCRES64	3.20±0.20	6.30±0.20	0.56±0.15	0.50±0.20	0.90±0.20

■ Specifications

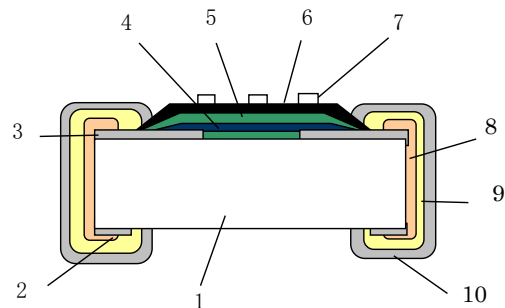
Model	Rated Power (W)	Resistance Value Tolerance	Resistance Value Range (Ω)	TCR (ppm/°C)	Max. Working voltage	Max. Overload voltage
WCRES20	0.50※2	F-grade (±1%)	10 to 1M	±100	200V	400V
		J-grade (±5%)	10 to 1M	±200		
WCRES32	0.75	F-grade (±1%) J-grade (±5%)	1 to 1M	±200 (Grade F 1 to 91 Ω: ±100)		
WCRES50	1.00					
WCRES64	2.00					

※1 Operating Temperature Range: -55 to +155° C

※2 Limited to use at terminal temperatures of 120° C or below

■ Construction

Product Name	WCRES32 / WCRES50 / WCRES64
No.	Component Name
1	Ceramic Substrate
2	Back Electrode
3	Special Electrode
4	Resistor
5	Protective coat I
6	Protective coat II
7	Marking
8	Side Electrode
9	Ni Plating
10	Sn Plating



*Design and specifications are subject to change without notice. Please confirm before purchase and use.