

### **Working Standard Resistor**

#### **FEATURES**

- · Usable in air without oil bath
- Wide resistance range available from 1 m $\Omega$  to 100 M $\Omega$
- Excellent performance versus cost
- Terminals aligned in a single row for easier wiring and placement
- Certificate of Calibration and Inspection sheets traceable to NMIJ\* are provided at shipment. \*NMIJ: National Metrology Institute of Japan



Approx. 300g (0.66 lbs)

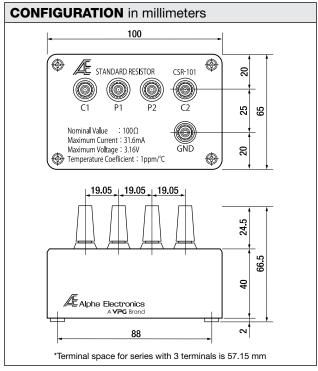
#### **DESCRIPTION**

The CSR series has Bulk Metal® Foil resistance elements, which have the same excellent stability and low temperature coefficient of resistance as the ASR series—a precision level that cannot be provided by any other resistance material. In addition, the CSR is designed for equal ease of use in the laboratory or on the production floor. It's construction is designed to give priority for portability and workability, being used in air without an oil bath.

#### **CUSTOMIZED SPECIFICATIONS**

Available for any customized resistance value. Contact to our sales department for more details.





SPECIFICATIONS											
Series	Nominal value	Accuracy	Temp. Coefficient	Stability	Power Rating	Power Coefficient	Storage Temp. Range	Max. Working Current	Max. Working Voltage	Working Temp. Range	Number of Terminals
		ppm	ppm/°C	ppm/year	W	ppm/mW	°C	Α	٧	°C	Terminais
CSR-1N0	1 mΩ	±100	±10	±20	0.5	±0.05	0~50	22.3	0.02	18~28	5
CSR-10N	10 mΩ	±50	±5	±15				7.07	0.07		
CSR-R10	100 mΩ	±25	±2.5	±10				2.23	0.22		
CSR-1R0	1Ω	±5	±1 ±5 ±10 ±5 ±25	±5	0.1	±0.01		0.31	0.31		
CSR-100	10Ω							0.10	1.00		
CSR-101	100Ω							0.03	3.16		
CSR-102	1 kΩ							0.01	10.0		
CSR-103	10 kΩ							0.003	31.6		
CSR-104	100 kΩ							0.001	100		3
CSR-105	1 ΜΩ							0.0003	316		
CSR-106	10 ΜΩ	±10		±10	0.1			0.0001	1000		
CSR-107	100 ΜΩ	±25		0.01		ļ	0.00001	1000			



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Vishay Precision Group, Inc.

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# **Mouser Electronics**

**Authorized Distributor** 

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## Vishay Precision Group:

<u>CSR-100</u> <u>CSR-101</u> <u>CSR-102</u> <u>CSR-103</u> <u>CSR-104</u> <u>CSR-105</u> <u>CSR-106</u> <u>CSR-107</u> <u>CSR-100</u> <u>CSR-100</u> <u>CSR-1N0</u> <u>CSR-1R0</u> CSR-R10