

RGV series

High voltage handling capability





Features

- High voltage operation is possible because the limiting element voltage is high.
- Long term stability with inorganic passivation(SiO2).
- Resistance tolerance : $\pm 0.1\%$, TCR : ± 25 ppm/ $^{\circ}\text{C}$
- Thin film structure enabling low noise and anti-sulfur.

Applications

- Automotive electronics
- Industrial measurement instrumentation, Industrial machines
- High voltage circuit and equipment



Design cases

- **Power meter**

Circuit: Voltage sensing(V-in)
P/N: RGV3216N-****-B (N: ± 10 ppm)

- **Defibrillator(High voltage model)**

Circuit: Voltage sensing
P/N: RGV3225P-4304-D

- **UPS(Uninterruptable power supply)**

Circuit: Voltage divide
P/N: RGV3225P-1504-B

- **BMS(800V)**

Circuit: Voltage divide
P/N: RGV series

◆Electrical Specification

Type	Power ratings	Temperature coefficient of resistance	Resistance range(Ω) Resistance tolerance		Maximum voltage	Resistance value series	Operating temperature	Packaging quantity
		(ppm/°C)	±0.1%(B)	±0.5%(D)				
RGV1608	1/10W	±25(P)	100KΩ≤R≤1MΩ		200V	E-24, E-96	-55℃~ 155℃	T1 T5
		±50(Q)						
RGV2012	1/8W	±25(P)	100KΩ≤R≤2MΩ		300V			
		±50(Q)						
RGV3216	1/4W	±5(V)	2MΩ					
		±25(P)	120KΩ≤R≤3MΩ					
		±50(Q)						
RGV3225	1/3W	±25(P)	120KΩ≤R≤4.3MΩ					
		±50(Q)						