SSM SUSUMU



Size : RGV3216, RGV3225

Temperature coefficient of resistance

Nominal resistance value(all 4 digit)

Resistance tolerance

Electrical Specification

| Туре | Power ratings | Temperature coefficient of resistance | Resistance range(Ω) Resistance tolerance | | Maximum | Resistance | Operating | Packaging |
|---------|------------------|---|--|----------|---------|--------------|-------------|-----------|
| | | (ppm/℃) | ±0.1%(B) | ±0.5%(D) | voltage | value series | temperature | quantity |
| | 1/4W | ±5(V) | 21 | ΙΩ | | | -55℃~ 155℃ | T1 T5 |
| RGV3216 | | ±25(P) | - 120ΚΩ≦R≦3ΜΩ | | 700V | E-24, E-96 | | |
| | | ±50(Q) | | | | | | |
| RGV3225 | 1/3W | ±25(P) | - 120KΩ≦R≦4.3MΩ | | 1000V | | | |
| | | ±50(Q) | | | | | | |

Dimensions



| Туре | Size (inch) | L | W | а | b | t |
|---------|----------------|-----------|-----------|-----------|-----------|----------------|
| RGV3216 | 1206 | 3.20±0.20 | 1.60±0.25 | 0.50±0.25 | 0.50±0.20 | 0.40+0.15/-0.1 |
| RGV3225 | 1210 | 3.20±0.20 | 2.50±0.25 | 0.50±0.25 | 0.50±0.20 | 0.40+0.15/-0.1 |

(unit:mm)

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Reliability specification

| Test items | Condition(IEC60115-1/JIS C5201-1) | Standard |
|--------------------------------|--|----------------|
| Life (Biased) | *1 85°C, rated voltage ^{*1} , 90min. ON/ 30min. OFF, 1000hours | ±(0.05%+0.05Ω) |
| High temperature high humidity | 85° C, 85° RH, 1/10 of rated power, 90min. ON/ 30min. OFF, 1000hours | ±(0.1%+0.05Ω) |
| Temperature shock | -55°C (30min) ~ 125°C(30min) 1000 cycles | ±(0.1%+0.01Ω) |
| High temperature exposure | 155℃, no bias, not mounted, 1000h | ±(0.1%+0.01Ω) |
| Resistance to soldering heat | 260±5℃, 10seconds (reflow) | ±(0.05%+0.01Ω) |

*1 Rated voltage is given by $E=\sqrt{R \times P}$ E= rated voltage (V), R=nominal resistance value(Ω), P=rated power(W) If rated voltage exceeds maximum voltage /element, maximum voltage/element is the rated voltage.

Derating Curve



RGV series