TRIMMER POTENTIOMETER

Cermet Chip Trimmer Potentiometer **RVG3** Series

Surface mount with 3mm package achieve excellent performances

■FEATURES

1. Funnel shaped slot allows for in-process automatic adjustment and it provides superior adjustability
2. 3mm miniature package lead a high density PCB mounting.
3. Plated termination achieve a high resistance to solder leaching.
4. RVG3A08 series is recommended for both reflow and flow soldering method (Need cleaning for flow soldering method.)
5. RVG3S08 series is thin (1.5mm) automatic adjustment with stopper type.

■APPLICATIONS

Camcorders, Video disk players, TFT-LCD TV sets, Headphone stereos, Cordless telephones, Micro-motors, Optical cameras

■PART NUMBERING

(Please specify the part number when ordering.)

(Ex.) RVG ❶ | 3A08 ❷ – 103 ❸ | VM ❹ – TP ❺

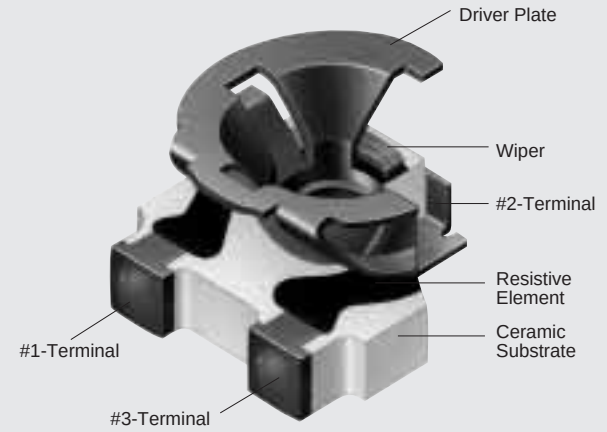
❶ Model
❷ Model number
❸ Resistance code
❹ Total resistance tolerance VM : ±25%
❺ Packaging code
Taping : TL·····2,500pcs./reel (180mm dia.) for RVG3S08
TP ·····2,000pcs./reel (180mm dia.) for RVG3A08
Bulk : No codes···1,000pcs./bag

■RATINGS

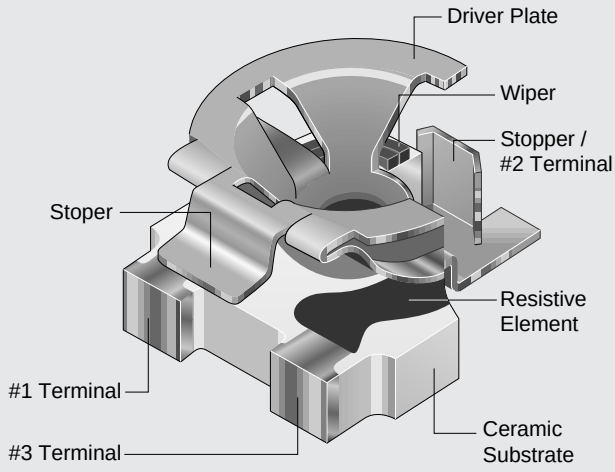
Item	RVG3
Standard Total Resistance Range	100Ω to 2MΩ
Total Resistance Tolerance	±25% of standard total resistance value
Taper	B (Linear)
Power Rating	1/10W (70℃)
Max. Working Voltage	50Vdc
Operating Temperature Range	−55℃ to +125℃
Rotational Torque	2.0−24.5mNm (20−250gf·cm)
Effective Rotational Angle	270°±10°
Stop Strength	29.4mNm (300gf·cm) min. : RVG3S08 only

■OTHERS

● See pages 43 to 44 for Notice
● See page 45 for test methods



RVG3A08

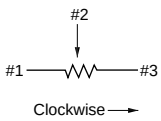
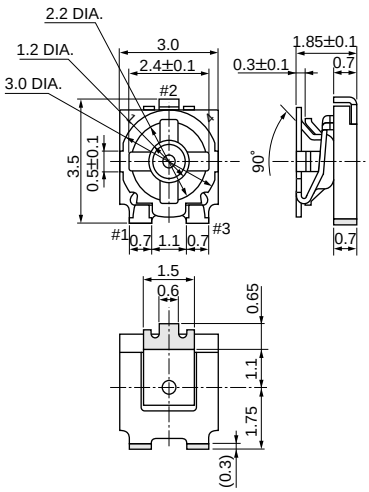
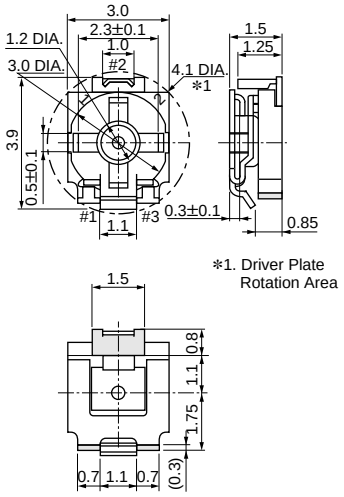
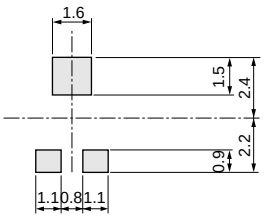
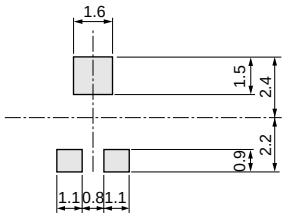


RVG3S08

■ENVIRONMENTAL CHARACTERISTICS

Item	RVG3
Humidity Exposure	Res. Change : ±3%
High Temperature Exposure	Res. Change : ±3%
Humidity Load Life	Res. Change : ±3%
Load Life	Res. Change : ±3%
Temperature Cycle	Res. Change : ±3%
Temperature Coefficient of Resistance	±250ppm/℃
Rotational Life	Res. Change : ±10% (10 cycles)

■PART NUMBER TABLE

Standard Total Resistance Values	Model Number	
	Top adjustment (For automatic adjustment)  RVG3A08 Series	Top adjustment (For automatic adjustment with Stopper)  RVG3S08 Series
100Ω	RVG3A08-101VM	RVG3S08-101VM
200Ω	RVG3A08-201VM	RVG3S08-201VM
300Ω	RVG3A08-301VM	RVG3S08-301VM
500Ω	RVG3A08-501VM	RVG3S08-501VM
1kΩ	RVG3A08-102VM	RVG3S08-102VM
2kΩ	RVG3A08-202VM	RVG3S08-202VM
3kΩ	RVG3A08-302VM	RVG3S08-302VM
5kΩ	RVG3A08-502VM	RVG3S08-502VM
10kΩ	RVG3A08-103VM	RVG3S08-103VM
20kΩ	RVG3A08-203VM	RVG3S08-203VM
30kΩ	RVG3A08-303VM	RVG3S08-303VM
50kΩ	RVG3A08-503VM	RVG3S08-503VM
100kΩ	RVG3A08-104VM	RVG3S08-104VM
200kΩ	RVG3A08-204VM	RVG3S08-204VM
300kΩ	RVG3A08-304VM	RVG3S08-304VM
500kΩ	RVG3A08-504VM	RVG3S08-504VM
1MΩ	RVG3A08-105VM	RVG3S08-105VM
2MΩ	RVG3A08-205VM	RVG3S08-205VM
Outline dimensions Schematic  in mm Standard tolerance : ±0.3		
Standard PCB layout in mm Standard tolerance : ±0.1		

∗ E6 resistance values are also available.