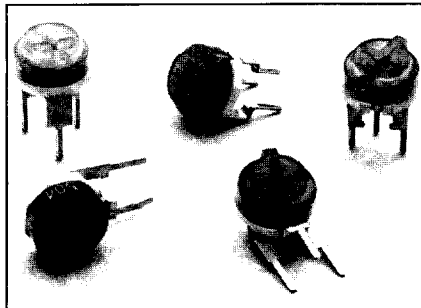


MICROMINIATURE

1/3 WATT CERMET



FEATURES:

- Excellent humidity characteristics
- Dust-resistant construction
- Non-combustible design
- 1/3 watt power rating
- Economical
- Miniature size
- Wide resistance range

APPLICATIONS:

The Murata Erie Model RVS, RVG 0707 is widely applicable for data processing equipment, for circuit adjustment in portable transceivers, electronic musical instruments, household appliances, (television receivers, radio receivers, tape-recorders), and in many other types of electronic equipment.

SPECIFICATIONS

Resistance Range	100 ohms to 1 Megohm (RVS), 200 ohms to 1 Megohm (RVG)
Tolerance	±20%
Temperature Coefficient	±100ppm/°C (RVS), ±250ppm/°C (RVG)
Residual Resistance	Less than 500Ω, 5 Ω max. 500Ω and up, less than 1% of nominal resistance
Taper	Linear
Power Rating	1/3W (at 70°C) Derated to 0 watts at 125°C
Max. Working Voltage	100 VDC
Torque	.27-2.8 in.-oz.
Terminal Strength	12.35 oz. when the force is applied in the direction of the axes of the terminal.
Effective Rotation	Elect. 180° Mech. 200°±10°

STANDARD RESISTANCES

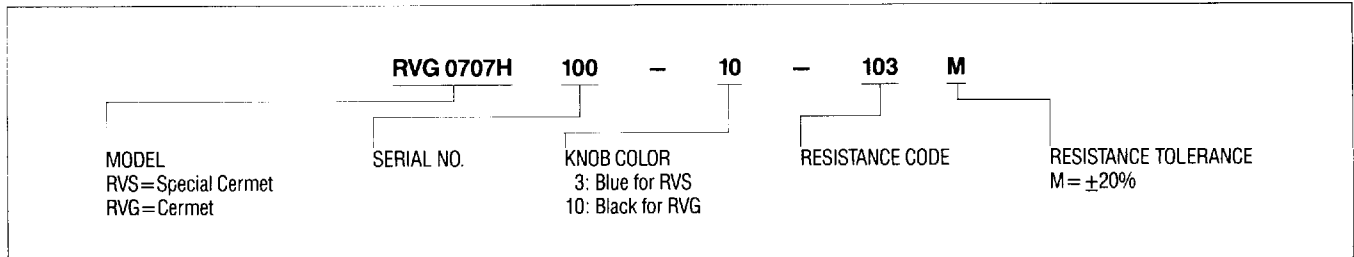
RES. (ohms)	CODE	RES. (ohms)	CODE	RES. (ohms)	CODE	RES. (ohms)	CODE
100	101	1K	102	10K	103	100K	104
200	201	2K	202	20K	203	200K	204
300	301	3K	302	30K	303	300K	304
500	501	5K	502	50K	503	500K	504
						1M	105

ENVIRONMENTAL SPECIFICATIONS

Influence of Soldering	After the terminals are dipped in a solder bath at 250°C for 3 seconds, the change in resistance is less than ±1%.
Temperature Characteristics	After 500 hours at 70°C without loading, the change in resistance is less than ±3%.
Humidity Characteristics	After 500 hours at 40°C, 90-95% RH without loading, the change in resistance is less than ±3%.
Temperature Load Life	When rated voltage is applied intermittently on a cycle of 1.5 hours ON and 0.5 hours OFF for 1,000 hours @ 70°C, change in resistance is less than ±3%.
Humidity Load Life	When rated voltage is applied intermittently on a cycle of 1.5 hours ON and 0.5 hours OFF for 1,000 hours @ 40°C, 90-95% RH, the change in resistance is less than ±3%.
Temperature Cycling	After 5 temperature cycles are made without loading, the change in resistance is less than ±2% (RVS), ±3% (RVG). One cycle is: -55°C (30 minutes) to room temp. @ +25°C (15 minutes) to +125°C (30 minutes) to room temp. @ +25°C (15 minutes).

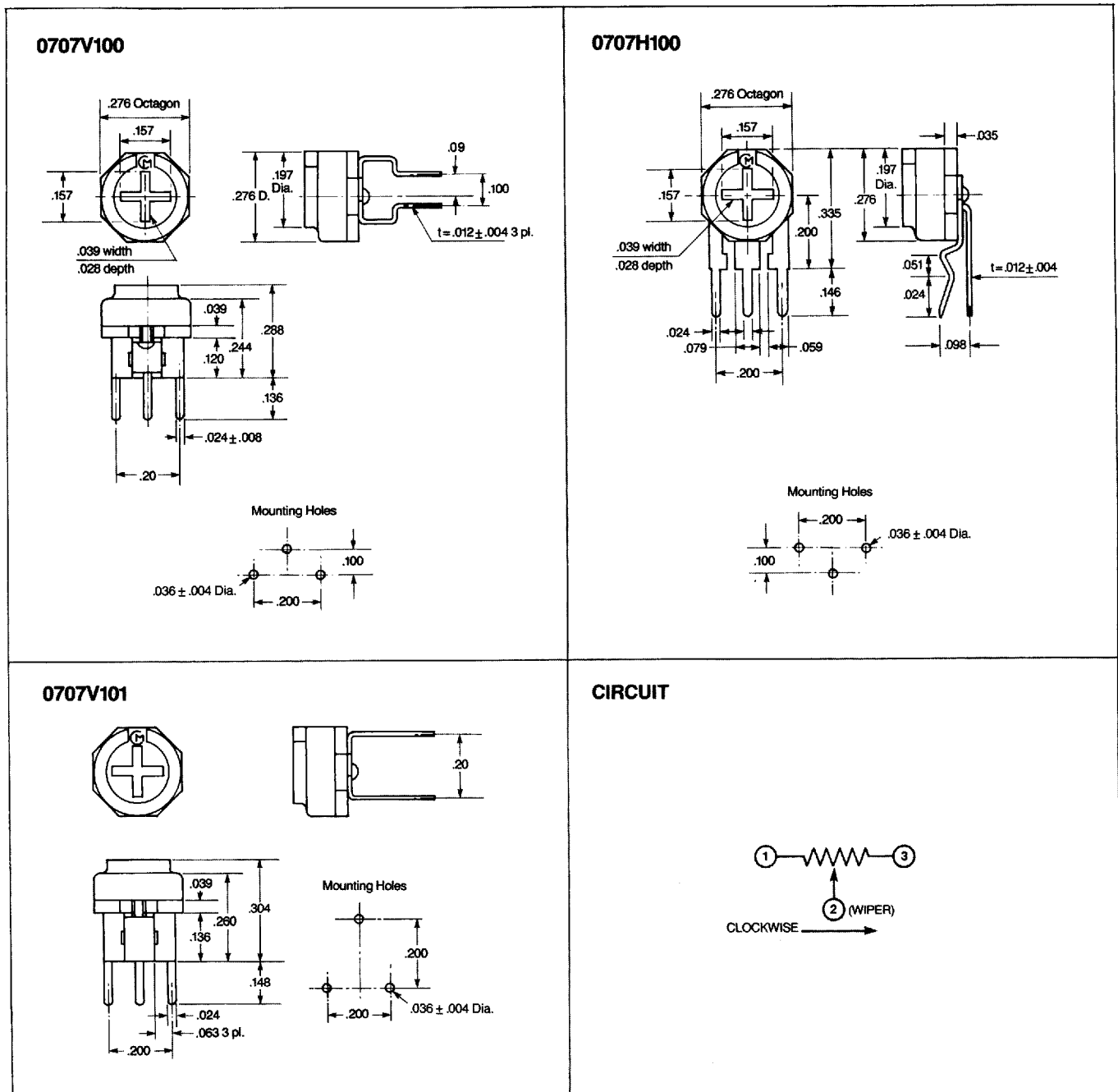
RVS, RVG 0707

PART NUMBERING



MARKING Marked with standard EIA resistance and date codes.

DIMENSIONS: inches



Tol. = ± .02