



TRIMMER POTENTIOMETER

muRata

25-Turns Cermet Trimmer Potentiometer POT3106 Series

Precise adjustment ; square, 9.5mm package

FEATURES

1. 25-turns cermet : square, 9.5mm package.
2. 5 terminal styles, top and side adjustment.
3. Compatible with ultrasonic cleaning
(See pages 43 to 44 for details).
4. Clutch mechanism prevents excessive wiper rotation.

APPLICATIONS

Measuring instruments, Facsimile machines, CPUs, PPCs, Printers, Sensors

PART NUMBERING

(Please specify the part number when ordering.)

(Ex.)

POT	3106	W	-	31	-	103	-	T1
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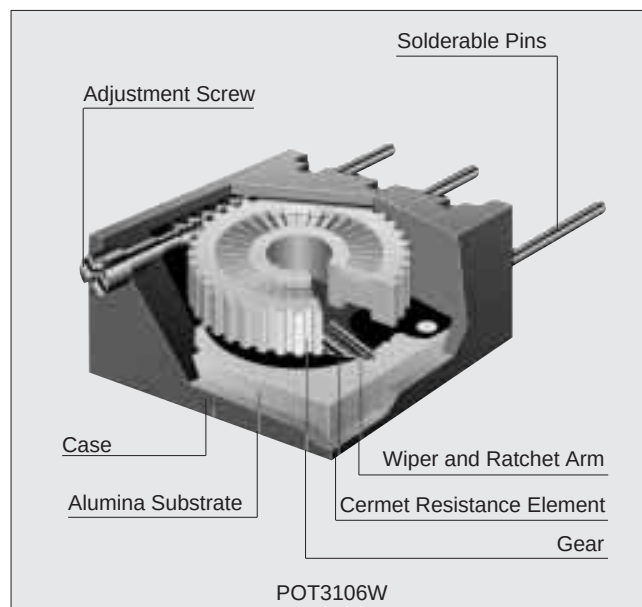
- ① Model
② Model number
③ Terminal style
④ Options 1 : Standard
 31 : Radial taping package
⑤ Resistance code
⑥ Packaging code
 T1 : Radial taping ··1,000pcs./pack
 No codes : Bulk ·········· 50pcs./bag

RATINGS

Standard Total Resistance Range	10Ω to 2MΩ
Total Resistance Tolerance	±10% of standard total resistance value
Power Rating	70°C — 0.5W 125°C — 0W
Max. Working Voltage	300Vdc
Max. Wiper Current	100mA max.
Operating Temperature Range	—55°C to +125°C
Effective Number of Turns	25±5 turns.
Residual Resistance	2Ω max.
Contact Resistance Variation	3% or 3Ω max. Whichever is greater
Dielectric Strength	1000Vac
Insulation Resistance	1000MΩ min. (500Vdc)
Torque	14.7mNm (150gf·cm) max.

OTHERS

- See pages 43 to 44 for Notice
- See pages 46 to 47 for test methods
- See page 40 for outline dimensions of radial taping type (POT3107W and X)



ENVIRONMENTAL CHARACTERISTICS

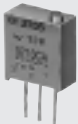
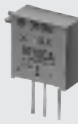
Temperature Coefficient of Resistance	±100ppm/°C
Temperature Cycle	ΔTR ±2% ΔV.S. S. ±1%
Humidity Exposure	ΔTR ±2% IR 100MΩ min.
Vibration (20G)	ΔTR ±1% ΔV.S. S. ±1%
Shock (100G)	ΔTR ±1% ΔV.S. S. ±1%
Load Life	ΔTR ±3% ΔV.S. S. ±1%
Low Temperature Exposure	ΔTR ±2% ΔV.S. S. ±1%
High Temperature Exposure	ΔTR ±3% ΔV.S. S. ±1%
Rotational Life (200 cycles)	No intermittence on resistance change

ΔTR : Total Resistance Change
ΔV.S.S.: Voltage Setting Stability
IR : Insulation Resistance

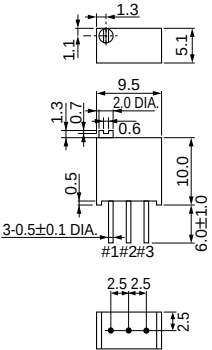
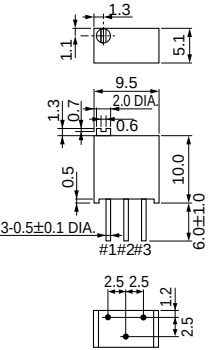
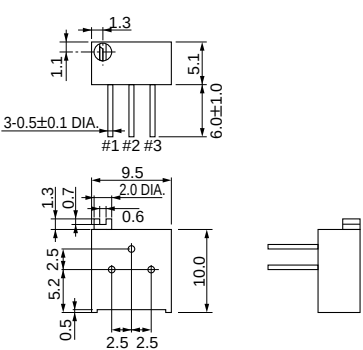
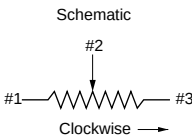
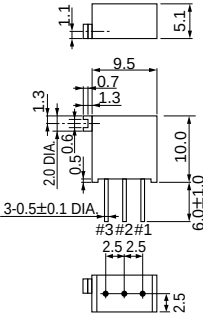
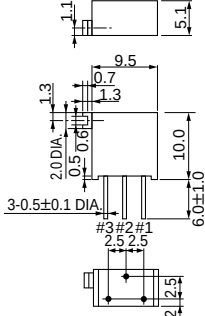
MINIMUM QUANTITY (order in sets only)

50 pcs./bag···Bulk package
1,000 pcs./pack···Radial taping package

PART NUMBER TABLE

Standard Total Resistance Values	Model Number				
	Top Adjustment (W)	Top Adjustment (Y)	Side Adjustment (P)	Side Adjustment (X)	Side Adjustment (Z)
					
10Ω	POT3106W-1-100	POT3106Y-1-100	POT3106P-1-100	POT3106X-1-100	POT3106Z-1-100
20Ω	POT3106W-1-200	POT3106Y-1-200	POT3106P-1-200	POT3106X-1-200	POT3106Z-1-200
50Ω	POT3106W-1-500	POT3106Y-1-500	POT3106P-1-500	POT3106X-1-500	POT3106Z-1-500
100Ω	POT3106W-1-101	POT3106Y-1-101	POT3106P-1-101	POT3106X-1-101	POT3106Z-1-101
200Ω	POT3106W-1-201	POT3106Y-1-201	POT3106P-1-201	POT3106X-1-201	POT3106Z-1-201
500Ω	POT3106W-1-501	POT3106Y-1-501	POT3106P-1-501	POT3106X-1-501	POT3106Z-1-501
1KΩ	POT3106W-1-102	POT3106Y-1-102	POT3106P-1-102	POT3106X-1-102	POT3106Z-1-102
2KΩ	POT3106W-1-202	POT3106Y-1-202	POT3106P-1-202	POT3106X-1-202	POT3106Z-1-202
5KΩ	POT3106W-1-502	POT3106Y-1-502	POT3106P-1-502	POT3106X-1-502	POT3106Z-1-502
10KΩ	POT3106W-1-103	POT3106Y-1-103	POT3106P-1-103	POT3106X-1-103	POT3106Z-1-103
20KΩ	POT3106W-1-203	POT3106Y-1-203	POT3106P-1-203	POT3106X-1-203	POT3106Z-1-203
25KΩ	POT3106W-1-253	POT3106Y-1-253	POT3106P-1-253	POT3106X-1-253	POT3106Z-1-253
50KΩ	POT3106W-1-503	POT3106Y-1-503	POT3106P-1-503	POT3106X-1-503	POT3106Z-1-503
100KΩ	POT3106W-1-104	POT3106Y-1-104	POT3106P-1-104	POT3106X-1-104	POT3106Z-1-104
200KΩ	POT3106W-1-204	POT3106Y-1-204	POT3106P-1-204	POT3106X-1-204	POT3106Z-1-204
250KΩ	POT3106W-1-254	POT3106Y-1-254	POT3106P-1-254	POT3106X-1-254	POT3106Z-1-254
500KΩ	POT3106W-1-504	POT3106Y-1-504	POT3106P-1-504	POT3106X-1-504	POT3106Z-1-504
1MΩ	POT3106W-1-105	POT3106Y-1-105	POT3106P-1-105	POT3106X-1-105	POT3106Z-1-105
2MΩ	POT3106W-1-205	POT3106Y-1-205	POT3106P-1-205	POT3106X-1-205	POT3106Z-1-205

OUTLINE DIMENSIONS

 POT3106W	 POT3106Y	 POT3106P
Schematic  POT3106X	 POT3106Z	

[in mm
Standard tolerance : ±0.3]