

# TRIMMER POTENTIOMETER



## 12-Turns Cermet Trimmer Potentiometer POT3107 Series

### High resolution, 12-turns design yields precise adjustment

#### FEATURES

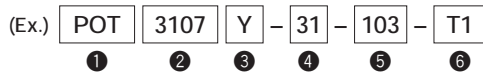
1. High resolution, 12-turns cermet.
2. Listed on the QPL for style RJ26 per MIL-R-22097.
3. Small size (6.4×6.7×4.0mm).
4. Compatible with ultrasonic cleaning  
(See pages 43 to 44 for details).
5. Clutch mechanism prevents excessive wiper rotation.

#### APPLICATIONS

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

#### PART NUMBERING

(Please specify the part number when ordering.)



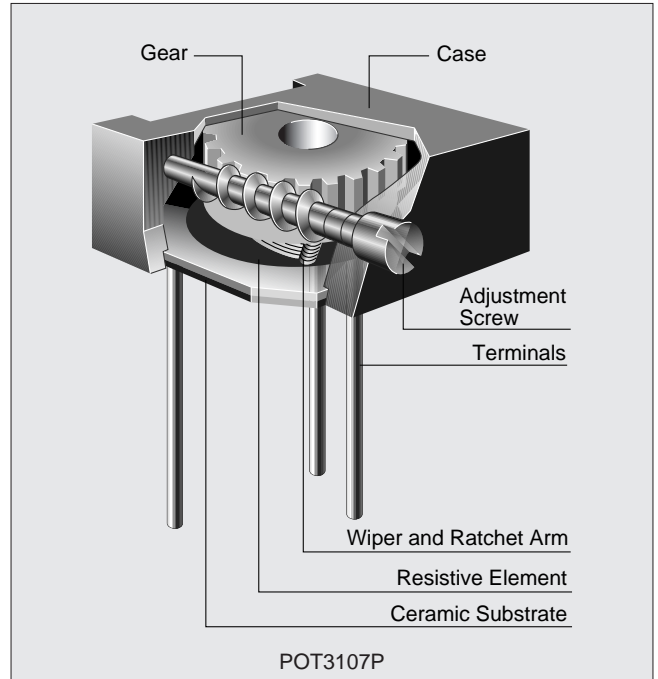
- ① Model
- ② Model number
- ③ Terminal style
- ④ Options    1 : Standard  
                  31 : Radial taping package
- ⑤ Resistance code
- ⑥ Packaging code  
    T1         : Radial taping ··1,000pcs./pack  
    No codes : Bulk ············ 50pcs./bag

#### RATINGS

Standard Total Resistance Range	10Ω to 1MΩ
Total Resistance Tolerance	±10% of standard total resistance value
Power Rating	85°C — 0.25W    125°C — 0W
Max. Working Voltage	200Vdc
Max. Wiper Current	100mA max.
Operating Temperature Range	-55°C to +125°C
Effective Number of Turns	12±2 turns.
Residual Resistance	2Ω max.
Contact Resistance Variation	3% or 3Ω max. Whichever is greater
Dielectric Strength	600Vac
Insulation Resistance	1000MΩ min. (500Vdc)
Torque	21.2mNm (216gf·cm) max.

#### OTHERS

- See pages 43 to 44 for Notice
- See pages 46 to 47 for test methods
- See page 39 for outline dimensions of radial taping type (POT3107Y and z)



#### ENVIRONMENTAL CHARACTERISTICS

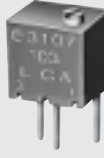
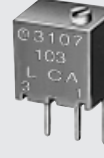

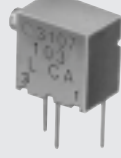
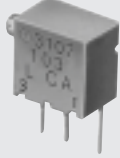
Temperature Coefficient of Resistance	±100ppm/°C
Temperature Cycle	ΔTR ±1% ΔV.S.S. ±1%
Humidity Exposure	ΔTR ±2% IR 100MΩ min.
Vibration (20G)	ΔTR ±1% ΔV.S.S. ±1%
Shock (100G)	ΔTR ±1% ΔV.S.S. ±1%
Load Life	ΔTR ±2% ΔV.S.S. ±2%
Low Temperature Exposure	ΔTR ±1% ΔV.S.S. ±1%
High Temperature Exposure	ΔTR ±2% 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

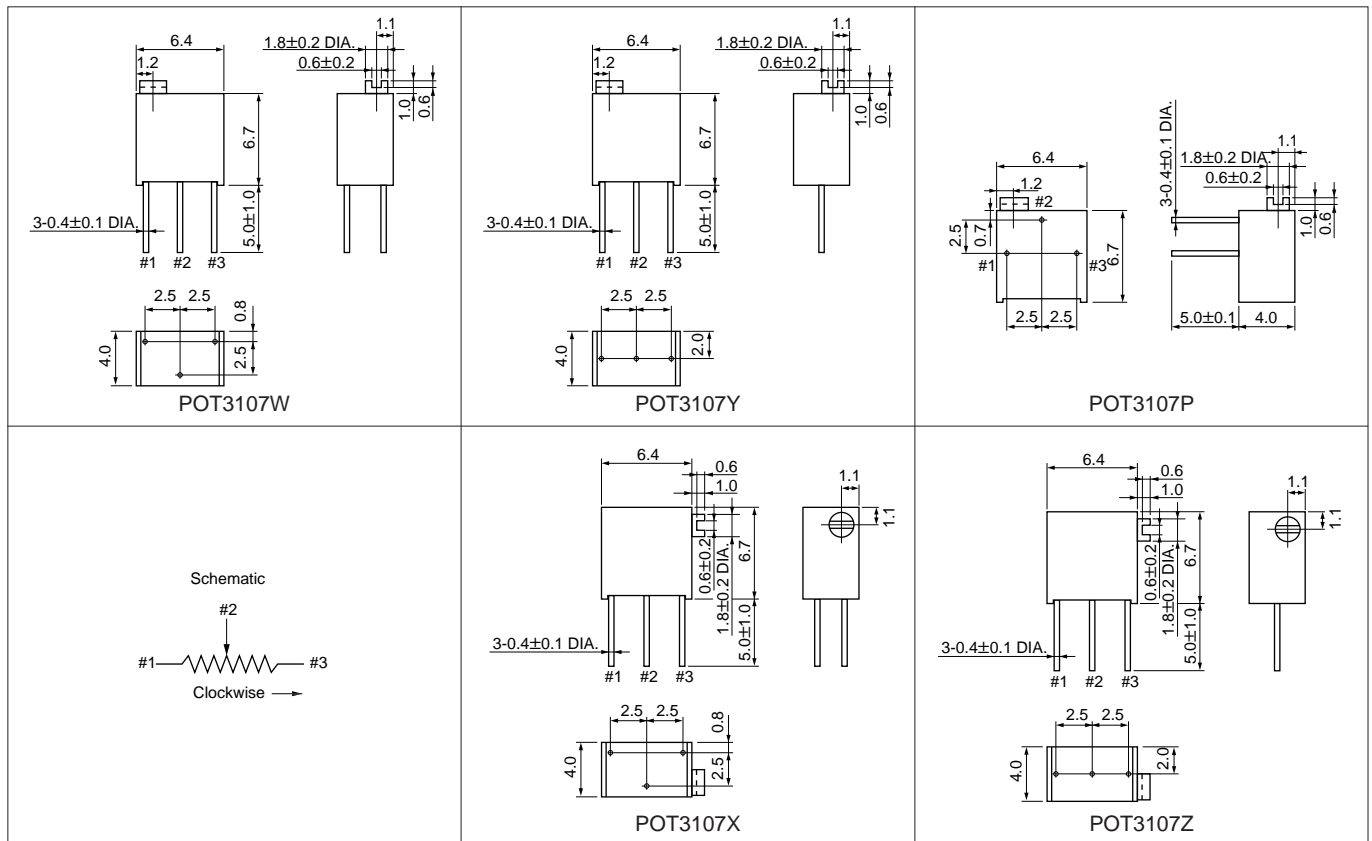
#### MINIMUM QUANTITY (order in sets only)

- 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	POT3107W-1-100	POT3107Y-1-100	POT3107P-1-100	POT3107X-1-100	POT3107Z-1-100
20Ω	POT3107W-1-200	POT3107Y-1-200	POT3107P-1-200	POT3107X-1-200	POT3107Z-1-200
50Ω	POT3107W-1-500	POT3107Y-1-500	POT3107P-1-500	POT3107X-1-500	POT3107Z-1-500
100Ω	POT3107W-1-101	POT3107Y-1-101	POT3107P-1-101	POT3107X-1-101	POT3107Z-1-101
200Ω	POT3107W-1-201	POT3107Y-1-201	POT3107P-1-201	POT3107X-1-201	POT3107Z-1-201
500Ω	POT3107W-1-501	POT3107Y-1-501	POT3107P-1-501	POT3107X-1-501	POT3107Z-1-501
1kΩ	POT3107W-1-102	POT3107Y-1-102	POT3107P-1-102	POT3107X-1-102	POT3107Z-1-102
2kΩ	POT3107W-1-202	POT3107Y-1-202	POT3107P-1-202	POT3107X-1-202	POT3107Z-1-202
5kΩ	POT3107W-1-502	POT3107Y-1-502	POT3107P-1-502	POT3107X-1-502	POT3107Z-1-502
10kΩ	POT3107W-1-103	POT3107Y-1-103	POT3107P-1-103	POT3107X-1-103	POT3107Z-1-103
20kΩ	POT3107W-1-203	POT3107Y-1-203	POT3107P-1-203	POT3107X-1-203	POT3107Z-1-203
25kΩ	POT3107W-1-253	POT3107Y-1-253	POT3107P-1-253	POT3107X-1-253	POT3107Z-1-253
50kΩ	POT3107W-1-503	POT3107Y-1-503	POT3107P-1-503	POT3107X-1-503	POT3107Z-1-503
100kΩ	POT3107W-1-104	POT3107Y-1-104	POT3107P-1-104	POT3107X-1-104	POT3107Z-1-104
200kΩ	POT3107W-1-204	POT3107Y-1-204	POT3107P-1-204	POT3107X-1-204	POT3107Z-1-204
250kΩ	POT3107W-1-254	POT3107Y-1-254	POT3107P-1-254	POT3107X-1-254	POT3107Z-1-254
500kΩ	POT3107W-1-504	POT3107Y-1-504	POT3107P-1-504	POT3107X-1-504	POT3107Z-1-504
1MΩ	POT3107W-1-105	POT3107Y-1-105	POT3107P-1-105	POT3107X-1-105	POT3107Z-1-105

■OUTLINE DIMENSIONS



[ in mm  
Standard tolerance : ±0.3 ]