

POT0102W
Top adjustment



POT0102P
Side adjustment



POT0102X
Side adjustment



FEATURES

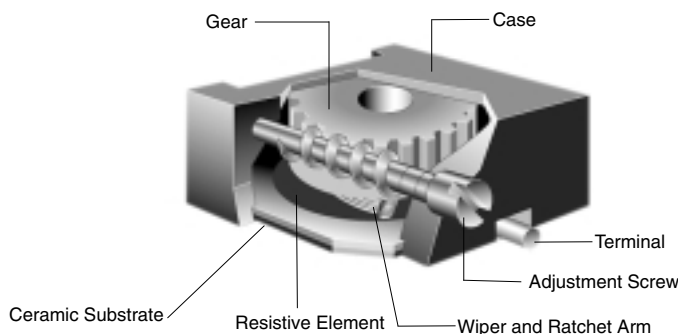
- Applicable to VPS reflow soldering method
- High resolution resulting from 12-turn design enables precise adjustment.
- Compact size 6.4 x 6.7 x 4.0mm
- Sealed construction is applicable for ultrasonic cleaning after soldering.
- Precise adjustment can be obtained easily, because of its multi-turn structure.

APPLICATIONS

Measuring equipment, fax machines, CPUs, printers, sensors, industrial machines

CONSTRUCTION

POT0102W



SPECIFICATIONS

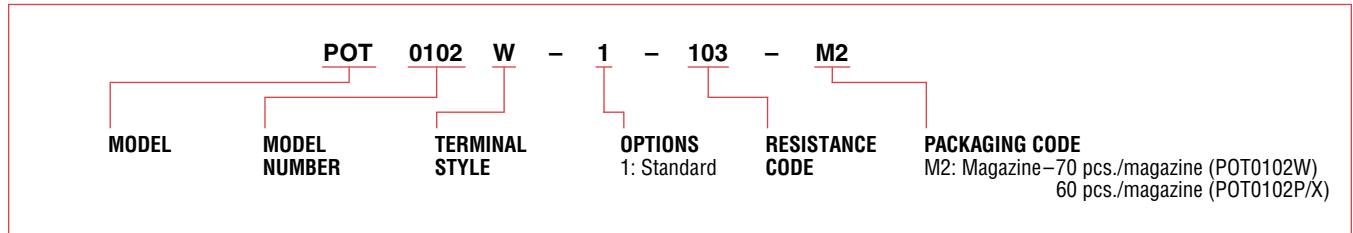
Item	
Standard Total Resistance Range	10Ω to 1MΩ
Total Resistance Tolerance	±10% of standard total resistance value
Power Rating	85°C – 0.25W 125°C – 0W
Maximum Working Voltage	200VDC
Maximum Wiper Current	100mA max.
Operating Temperature Range	-55°C to +125°C
Effective Electrical Number of Turn	12 ± 2 turns
Residual Resistance	2Ω max.
Contact Resistance Variation	3% or 3Ω max., whichever is greater
Dielectric Strength	600VAC
Insulation Resistance	100MΩ min. (500VDC)
Torque	21.2mNm (216gf • cm) max.

ENVIRONMENTAL SPECIFICATIONS

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

Δ TR: Total Resistance Change • Δ V.S.S.: Voltage Setting Stability • IR: Insulation Resistance

PART NUMBERING SYSTEM



PART NUMBER TABLE

Standard Total Resistance Values	Model Number		
	Top Adjustment (W)	Side Adjustment (P)	Side Adjustment (X)
10Ω	POT0102W-1-100-M2	POT0102P-1-100-M2	POT0102X-1-100-M2
20Ω	POT0102W-1-200-M2	POT0102P-1-200-M2	POT0102X-1-200-M2
50Ω	POT0102W-1-500-M2	POT0102P-1-500-M2	POT0102X-1-500-M2
100Ω	POT0102W-1-101-M2	POT0102P-1-101-M2	POT0102X-1-101-M2
200Ω	POT0102W-1-201-M2	POT0102P-1-201-M2	POT0102X-1-201-M2
500Ω	POT0102W-1-501-M2	POT0102P-1-501-M2	POT0102X-1-501-M2
1kΩ	POT0102W-1-102-M2	POT0102P-1-102-M2	POT0102X-1-102-M2
2kΩ	POT0102W-1-202-M2	POT0102P-1-202-M2	POT0102X-1-202-M2
5kΩ	POT0102W-1-502-M2	POT0102P-1-502-M2	POT0102X-1-502-M2
10kΩ	POT0102W-1-103-M2	POT0102P-1-103-M2	POT0102X-1-103-M2
20kΩ	POT0102W-1-203-M2	POT0102P-1-203-M2	POT0102X-1-203-M2
25kΩ	POT0102W-1-253-M2	POT0102P-1-253-M2	POT0102X-1-253-M2
50kΩ	POT0102W-1-503-M2	POT0102P-1-503-M2	POT0102X-1-503-M2
100kΩ	POT0102W-1-104-M2	POT0102P-1-104-M2	POT0102X-1-104-M2
200kΩ	POT0102W-1-204-M2	POT0102P-1-204-M2	POT0102X-1-204-M2
250kΩ	POT0102W-1-254-M2	POT0102P-1-254-M2	POT0102X-1-254-M2
500kΩ	POT0102W-1-504-M2	POT0102P-1-504-M2	POT0102X-1-504-M2
1MΩ	POT0102W-1-105-M2	POT0102P-1-105-M2	POT0102X-1-505-M2

DIMENSIONS: mm

Outline Dimensions	POT0102W	POT0102P	POT0102X
<p>Schematic</p> <p>Standard Tolerance: ±0.3</p>			
<p>Standard PCB Layout</p> <p>Standard Tolerance: ±0.1</p>			