

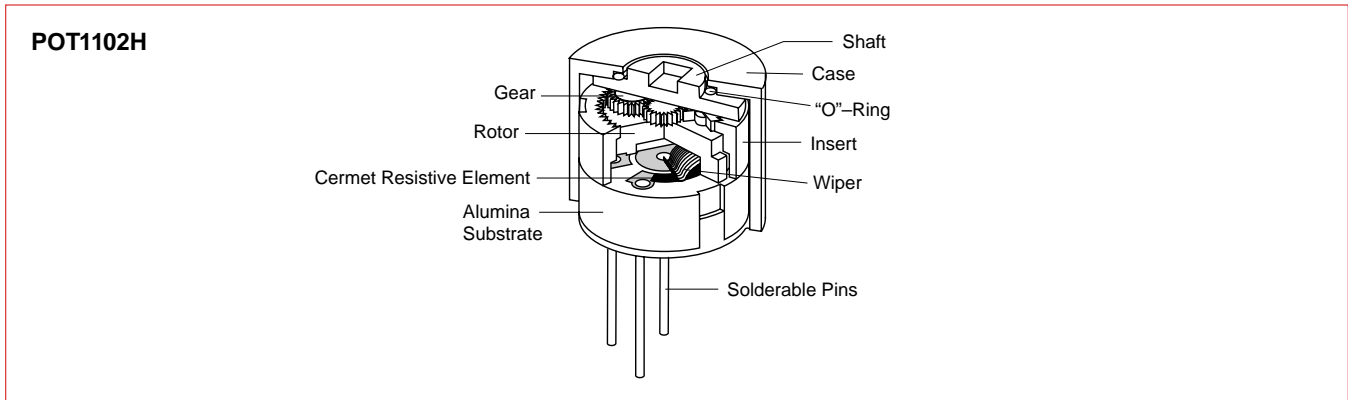
FEATURES

- 4-turn cermet; round; 7.6mm package
- Unique planetary drive enables precise wiper setting.
- Clutch mechanism prevents excessive wiper rotation.
- Compatible with ultrasonic cleaning

APPLICATIONS

Measuring instruments, facsimile machines, CPUs, PPCs, printers

CONSTRUCTION



SPECIFICATIONS

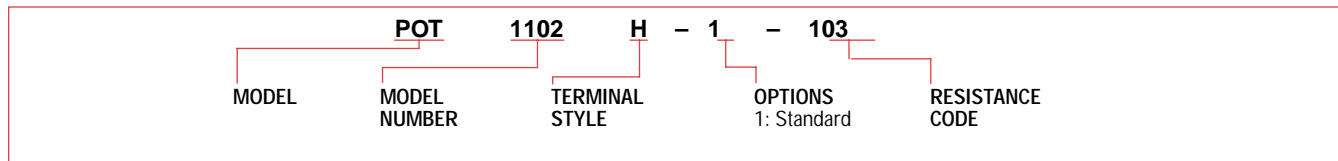
Item	
Standard Resistance Range	10Ω to 2MΩ
Nominal Resistance Tolerance	±10%
Power Rating	70°C – 0.5W, 125°C – 0W
Maximum Working Voltage	300V
Maximum Wiper Current	100mA max.
Operating Temperature Range	-55°C to +125°C
Effective Number of Turns	4 ± 0.5 turns
Residual Resistance	2Ω max.
Contact Resistance Variation	3% or 3Ω max., whichever is greater
Dielectric Strength	600VAC
Insulation Resistance	1000MΩ min. (500VDC)
Torque	14.7mNm (150gh • cm) max.

ENVIRONMENTAL SPECIFICATIONS

Item	
Temperature Coefficient of Resistance	±100ppm/°C
Temperature Cycle	Δ TR ±2%, S.S. ±1%
Humidity Exposure	Δ TR ±2%, IR 100MΩ min.
Vibration (20G)	Δ TR ±1%, S.S. ±1%
Shock (100G)	Δ TR ±1%, S.S. ±1%
Load Life	Δ TR ±3%, S.S. ±2%
Low Temperature Exposure	Δ TR ±3%, S.S. ±1.5%
High Temperature Exposure	Δ TR ±3%, S.S. ±1.5%
Rotational Life (200 cycles)	No intermittence on resistance change

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

PART NUMBERING SYSTEM



PART NUMBER TABLE

Nominal Resistance Values	Model Number			
	Top Adjustment	Top Adjustment	Side Adjustment	Side Adjustment
10Ω	POT1102H-1-100	POT1102P-1-100	POT1102T-1-100	POT1102S-1-100
20Ω	POT1102H-1-200	POT1102P-1-200	POT1102T-1-200	POT1102S-1-100
50Ω	POT1102H-1-500	POT1102P-1-500	POT1102T-1-500	POT1102S-1-500
100Ω	POT1102H-1-101	POT1102P-1-101	POT1102T-1-101	POT1102S-1-101
200Ω	POT1102H-1-201	POT1102P-1-201	POT1102T-1-201	POT1102S-1-201
500Ω	POT1102H-1-501	POT1102P-1-501	POT1102T-1-501	POT1102S-1-501
1kΩ	POT1102H-1-102	POT1102P-1-102	POT1102T-1-102	POT1102S-1-102
2kΩ	POT1102H-1-202	POT1102P-1-202	POT1102T-1-202	POT1102S-1-202
5kΩ	POT1102H-1-502	POT1102P-1-502	POT1102T-1-502	POT1102S-1-502
10kΩ	POT1102H-1-103	POT1102P-1-103	POT1102T-1-103	POT1102S-1-103
20kΩ	POT1102H-1-203	POT1102P-1-203	POT1102T-1-203	POT1102S-1-203
50kΩ	POT1102H-1-503	POT1102P-1-503	POT1102T-1-503	POT1102S-1-503
100kΩ	POT1102H-1-104	POT1102P-1-104	POT1102T-1-104	POT1102S-1-104
200kΩ	POT1102H-1-204	POT1102P-1-204	POT1102T-1-204	POT1102S-1-204
500kΩ	POT1102H-1-504	POT1102P-1-504	POT1102T-1-504	POT1102S-1-504
1MΩ	POT1102H-1-105	POT1102P-1-105	POT1102T-1-105	POT1102S-1-105
2MΩ	POT1102H-1-205	POT1102P-1-205	POT1102T-1-205	POT1102S-1-205

DIMENSIONS: mm

POT1102H

POT1102P

POT1102T

POT1102S

All products on this page are available as standard through authorized Murata Electronics Distributors.