

5mm 11 Turn Surface Mount Cermet Trimming Potentiometer



FEATURES

- High Resolution Resulting From 11 Turn Design Enables Precise Adjustment
- 5mm Miniature Size for High Density PCB Mounting
- Compatible with Ultrasonic Cleaning
- Clutch Mechanism Prevents Excessive Wiper Rotation

ELECTRICAL SPECIFICATIONS	
PARAMETER	
Resistance Range	10Ω to 2MΩ
Resistance Tolerance	± 10%
Power Rating	70°C - 0.25W, 0W @ 125°C
Maximum Working Voltage	300V
Maximum Wiper Current	100mA maximum
Operating Temperature Range	- 55°C to + 125°C
Effective Electrical Number of Turns	11 ± 2 turns
Residual Resistance	1% or 2Ω maximum, whichever is greater
Contact Resistance Variation	3% or 3Ω, whichever is greater
Dielectric Strength	600VAC
Insulation Resistance	100MΩ minimum (500V _{DC})
Torque	17.6mNm (180gf.cm)

ENVIRONMENTAL SPECIFICATIONS	
PARAMETER	
Temperature Coefficient of Resistance	R ≤ 100Ω ± 200ppm/°C R ≥ 200Ω ± 100ppm/°C
Temperature Cycle	ΔTR ± 2% S.S. ± 1%
Humidity Exposure	ΔTR ± 2% 1R 10MΩ minimum
Vibration	ΔTR ± 1% S.S. ± 1%
Thermal Shock	ΔTR ± 1% S.S. ± 1%
Load Life	ΔTR ± 3% or 3Ω S.S. ± 1%
Low Temperature Exposure	ΔTR ± 1% S.S. ± 1%
High Temperature Exposure	ΔTR ± 2% S.S. ± 1%
Rotational Life	100 cycles No Intermittence on Resistance Change

ΔTR: Total Resistance Change

S.S.: Setting Stability

IR: Insulation Resistance

APPLICATIONS

Measuring instruments, Sensors, CPU's, Industrial machines.

SOLDERING & PART NUMBERING

Compatible with VPS reflow soldering method.

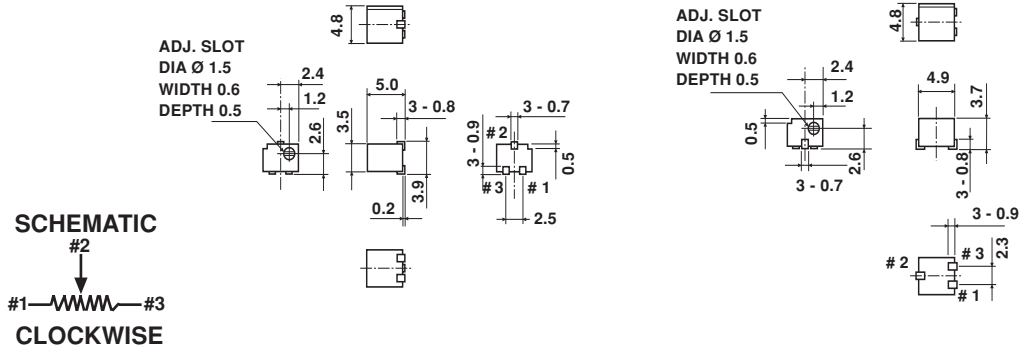
5X - XXX

5W - XXX





DIMENSIONS in millimeters

OUTLINE DIMENSIONS



STANDARD PCB LAYOUT



RESISTANCE VALUE		
NOMINAL RESISTANCE VALUES	MODEL NUMBER	
	TOP ADJUSTMENT (5W)	SIDE ADJUSTMENT (5X)
		
10Ω	5W - 100	5X - 100
20Ω	5W - 200	5X - 200
50Ω	5W - 500	5X - 500
100Ω	5W - 101	5X - 101
200Ω	5W - 201	5X - 201
500Ω	5W - 501	5X - 501
1KΩ	5W - 102	5X - 102
2KΩ	5W - 202	5X - 202
5KΩ	5W - 502	5X - 502
10KΩ	5W - 103	5X - 103
20KΩ	5W - 203	5X - 203
50KΩ	5W - 503	5X - 503
100KΩ	5W - 104	5X - 104
200KΩ	5W - 204	5X - 204
500KΩ	5W - 504	5X - 504
1MΩ	5W - 105	5X - 105
2MΩ	5W - 205	5X - 205