

FEATURE

- 6mm / Square
- 25 Turns / Cermet / Industrial / Sealed
- 5 Terminal Styles (W, Y, P, X, Z)

ELECTRICAL CHARACTERISTICS

Standard Resistance Range	100 to 5 megohms (see standard resistance table)
Resistance Tolerance	± 10% std. (tighter tolerance available)
Absolute Minimum Resistance	1% or 2 ohms max. (whichever is greater)
Contact Resistance Variation	3% or 3 ohms max. (whichever is greater)
Adjustability	Voltage ± 0.01% Resistance ± 0.05%
Resolution	Infinite
Insulation Resistance	500 Vdc 1,000 megohms min.
Dielectric Strength	101.3 kPa 600 Vac; 8.5 kPa 360 Vac
Effective Travel	25 turns nom.

ENVIRONMENTAL CHARACTERISTICS

Power Rating (300 volts max.)	0.5 watt (70 °C), 0 watt (125 °C)
Temperature Range	-55 °C to +125 °C
Temperature Coefficient	± 100ppm/°C
Vibration	98 m/s ² (1% TR; 1% VR)
Shock	390m/s ² (1% TR; 1% VR)
Load Life	1,000 hours 0.5 watt @70 °C (3% TR; 4% or 4 ohms, whichever is greater, CRV)
Rotational Life	200 cycles (3% TR; 4% or 4 ohms, whichever is greater, CRV)

PHYSICAL CHARACTERISTICS

Torque	36mN · m max.
Mechanical Stops	Wiper idles
Terminals	Solderable pins
Standard Packaging	50 pcs. per tube

STANDARD RESISTANCE TABLE

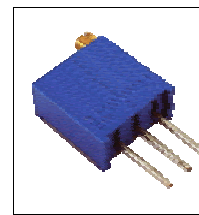
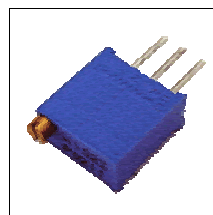
Resistance (Ohms)	Resistance Code	Resistance (Ohms)	Resistance Code
10	100	20,000	203
20	200	25,000	253
50	500	50,000	503
100	101	100,000	104
200	201	200,000	204
500	501	250,000	254
1,000	102	500,000	504
2,000	202	1,000,000	105
5,000	502	2,000,000	205
10,000	103	5,000,000	505

Special resistance available TCR of shaded areas ± 250ppm/°C

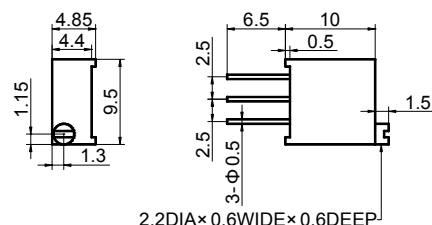
HOW TO ORDER

58 - W - 102

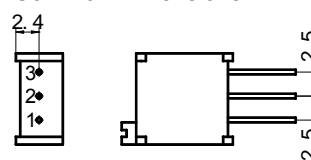
Model ————
 Style ————
 Resistance Code ————



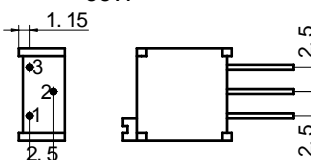
OUTLINE DIMENSIONS



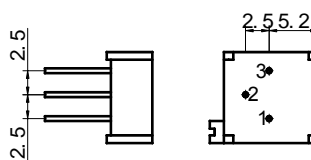
Common Dimensions



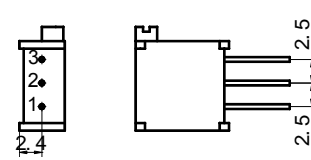
58W



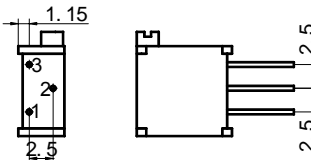
58Y



58P



58X



58Z

Unit: mm Tolerance: ± 0.25 if not specified

