

Datasheet

RS Pro 50CP Series Conductive Plastic Potentiometer with a 6 mm Dia. Shaft, 1k Ω , $\pm 20\%$, 3W, ± 400 ppm/ $^{\circ}$ C, Servo Mount

RS Stock No: **842-7157**



Product Details

RS Pro conductive plastic potentiometer offers resistance up to 1 k Ω with a temperature coefficient of ± 400 ppm/ $^{\circ}$ C. This 3 W rated potentiometer includes a shaft of 6 mm diameter and provides 360 $^{\circ}$ rotation.

Features and Benefits

- $\pm 50\%$ standard resistance tolerance
- 360 $^{\circ}$ (single turn) mechanical rotation
- 350 $^{\circ}$ electrical angle
- Power rating of 3W at 70 $^{\circ}$ C

Specifications:

Element Material	Conductive Plastic
Linearity	±0.5%
Mounting Type	Servo Mount
Termination Style	Solder
Mechanical Rotation	360°
Shaft Length	21.5 mm
Diameter	50.9 mm
Dimensions	50.9 (dia.) x 43.43 mm
Length	43.43 mm
Maximum Operating Temperature	+105°C
Maximum Resistance	1 kΩ
Minimum Operating Temperature	-40°C
Power Rating	3 W
Temperature Coefficient	±400 ppm/°C
Tolerance	±20%
Number of Turns	1
Shaft Diameter	6 mm
Dielectric Strength	500 V ac
Insulation Resistance	1000 MΩ