

Datasheet

## RS Pro 40CP Series Conductive Plastic Potentiometer with a 6 mm Dia. Shaft, 1k $\Omega$ , $\pm 20\%$ , 3W, $\pm 400\text{ppm}/^\circ\text{C}$ , Servo Mount

RS Stock No: **842-7141**



### Product Details

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

### Features and Benefits

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

**Specifications:**

Element Material	Conductive Plastic
Linearity	±0.5%
Mounting Type	Servo Mount
Termination Style	Solder
Mechanical Rotation	360°
Shaft Length	15 mm
Diameter	36.5 mm
Dimensions	36.5 (dia.) x 36.43 mm
Length	36.43 mm
Maximum Operating Temperature	+105°C
Maximum Resistance	1 kΩ
Minimum Operating Temperature	-50°C
Power Rating	2 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