

# SCP 3006 Trimming Potentiometer

# Semec

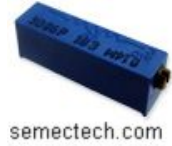
RoHS

## Features

Multi turn, cement and sealed, industrial use

## Electrical Characteristics

Standard Resistance Range	10 $\Omega$ - 2M $\Omega$
Resistance Tolerance	$\pm 10\%$
Terminal Resistance	$\leq 1\%$ R or 2 $\Omega$
Contact Resistance Variation	CRV $\leq 1 \Omega$ or 1%R
Insulation Resistance	RI $\geq 1G \Omega$ (100Vac)
Withstand Voltage	640VAC
Effective Electrical Travel	$\geq 70\%$ of mechanical travel



semectech.com

## Environmental Characteristics

Rated Power	0.75W@70°C, 0W@125°C
Temperature range	-55°C ~+125°C
Temperature Coefficient	$\pm 250$ ppm / °C, $\pm 100$ ppm / °C
Collision	390m/s <sup>2</sup> , 4000times, $\Delta R \leq \pm 2\%R$
Temperature Variation	-55°C, 30min, +125°C, 30min 5 cycles; $\Delta R \leq 5\%R$ ; $\Delta(U_{ab}/U_{ac}) \leq \pm 5\%$
Electrical Endurance at 85°C	0.5W, 96h $\Delta R \leq \pm 10\%R$ , $\Delta(U_{av}/U_{ac}) \leq \pm 10\%$
Electrical Endurance	200cycles, $\Delta R \leq \pm 5\%R$ , CRV $\Delta \leq 5\%$

## Physical Characteristics

Total mechanical travel	22 $\pm 2$ cycles
Starting Torque	$\leq 35$ mN.m
Standard package	25pcs/tube

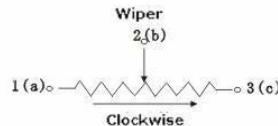
## How to order

**SCP-3006** P- **103**  
series style resistance code

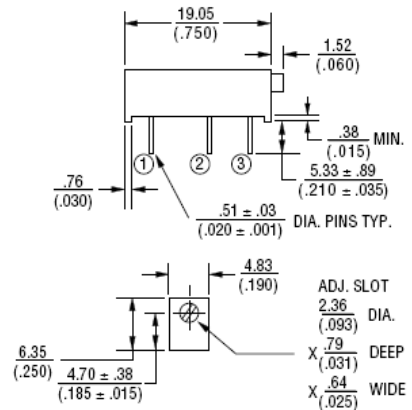
## Standard resistance

code	Resistance ( $\Omega$ )
101	100
201	200
501	500
102	1,000
202	2,000
502	5,000
103	10,000
203	20,000
503	50,000
104	100,000
204	200,000
504	500,000
105	1,000,000
205	2,000,000

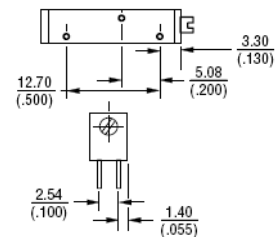
Special resistances are available.



## Common Dimension



## 3006P



\* The spec is subject to change without notice. Please contact us if any further queries.