

SCP 3296 Trimming Potentiometer

Semec

RoHS

Features

Multiturn, cermet and sealed, industrial use
5 terminal types

Electrical Characteristics

Standard Resistance Range	10 Ω - 2M Ω
Resistance Tolerance	$\pm 10\%$
Terminal Resistance	$\leq 1\% R$ or 2 Ω
Contact Resistance Variation	CRV $\leq 3\Omega$ or 1%R
Insulation Resistance	RI $\geq 1G\Omega$ (100Vac)
Withstand Voltage	640V (DC or AC climax)
Effective Electrical Travel	$\geq 70\%$ of mechanical travel

Environmental Characteristics

Rated Power	0.5W@70°C, 0W@150°C
Temperature range	-55°C ~ +125°C
Temperature Coefficient	$\pm 250\text{ppm} / ^\circ\text{C}$, $\pm 100\text{ppm} / ^\circ\text{C}$
Collision	390m/s ² , 4000times, $\Delta R \leq \pm(5\%R + 0.1\Omega)$
Temperature Variation	-55°C, 30min, +125°C, 30min 5 cycles $\Delta R \leq \pm(5\%R + 0.1\Omega)$; $\Delta(Uab/Uac) \leq \pm 5\%$
Vibration	10~500HZ, 0.75mm, or 98m/s ² 6h, electric interrupt $\leq 100\mu\text{s}$, $\Delta R \leq \pm(5\%R + 0.1\Omega)$, $\Delta(Uab/Uac) \leq \pm 7.5$
Electrical Endurance at 70°C	0.5W, 1000h; $\Delta R \leq \pm(10\%R + 0.5\Omega)$ $\Delta Rab \leq \pm(15\%R + 0.5\Omega)$; RI $\geq 1G\Omega$ CRV $\leq 3\%R$ or 5 Ω
Electrical Endurance	200 cycles, $\Delta R \leq \pm(10\%R + 0.5\Omega)$ CRV $\leq 3\%R$ or 5 Ω

Physical Characteristics

Total mechanical travel	28 ± 2 cycles
Starting Torque	$\leq 35\text{mN.m}$
Standard package	50pcs/tube

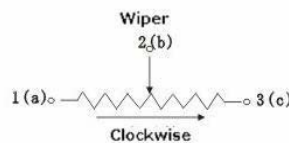
How to order

SCP-3296- W- 103
series style resistance code

Standard resistance

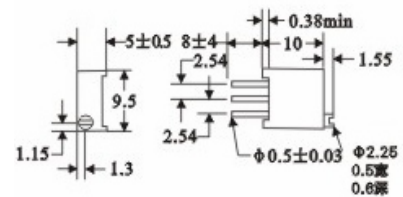
code	Resistance (Ω)
101	100
201	200
501	500
102	1,000
202	2,000
502	5,000
103	10,000
203	20,000
503	50,000
104	100,000
204	200,000
504	500,000
105	1,000,000

Special resistances are available

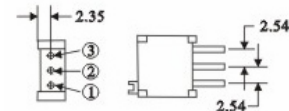


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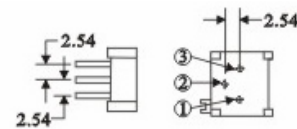
Dimension



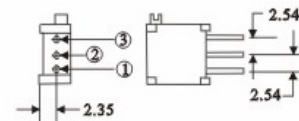
3296W



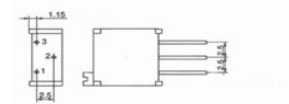
3296P



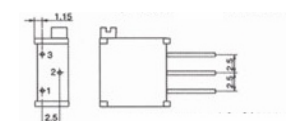
3296X



3296Y



3296Z



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