

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China









Features

- Bushing mount
- Optional ±0.05 linearity option
- **Excellent wiper stability**
- High stop strength
- Sealable
- RoHS compliant*

3400 - Precision Potentiometer

Electrical Characteristics¹ Total Resistance Tolerance±3 % Noise 100 ohms ENR maximum Dielectric Withstanding Voltage MIL-STD-202, Method 301 Sea Level......1,000 VAC minimum

Environmental Characteristics¹ Total Resistance Shift±2 % maximum Voltage Ratio Shift±0.1 % maximum Voltage Ratio Shift±0.1 % maximum Total Resistance Shift±2 % maximum

Mechanical Characteristics¹

Mechanical Angle	3600° +4°, -0°
Torque (Starting & Running)	0.35 N-cm (0.5 ozin.) max.
Mounting	170-200 N-cm (15-18 lbin.)
Shaft Runout	0.08 mm (0.003 in.) T.I.R.
Lateral Runout	0.13 mm (0.005 in.) T.I.R.
Shaft End Play	0.25 mm (0.010 in.) T.I.R.
Shaft Radial Play	
Pilot Diameter Runout	0.08 mm (0.003 in.) T.I.R.
Backlash	1.0 ° maximum
Weight	Approximately 21 gm
Terminals	Gold-plated solder lugs
Soldering Condition	,
Manual Soldering	96.5Sn/3.0Ag/0.5Cu solid wire or no-clean
	red wire; 370 °Č (700 °F) max. for 3 seconds
Wave Soldering96.5Sn/3.0Ag/0.5Cu so	
-	for 5 seconds

Ganging (Multiple Section Pots.) 2 cups maximum
Hardware One lockwasher (H-37-2) and one mounting nut (H-38-2)

is shipped with each potentiometer.

- At room ambient: +25 °C nominal and 50 % relative humidity nominal, except as noted.
- Consult manufacturer for complete specification details for resistances below 500 ohms and above

Recommended Part Numbers

Part Number	Resistance (Ω)	Resolution (%)
3400S-1-102L	1,000	.020
3400S-1-502L	5,000	.013
3400S-1-103L	10,000	.010

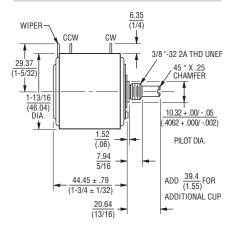
THROUGH DISTRIBUTION.

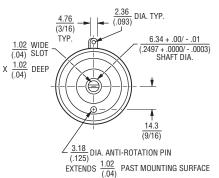
FOR OTHER OPTIONS CONSULT FACTORY.

ROHS IDENTIFIER: L = COMPLIANT

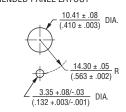
BOLDFACE LISTINGS ARE IN STOCK AND READILY AVAILABLE

Product Dimensions



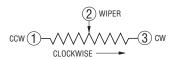


RECOMMENDED PANEL LAYOUT



RECOMMENDED PCB THICKNESS: MOUNTING TORQUE: 15-18 LB.-IN.

TOLERANCES: EXCEPT WHERE NOTED DECIMALS: .XX $\pm \frac{.25}{(.010)}$, .XXX $\pm \frac{.13}{(.005)}$ FRACTIONS: ±1/64 DIMENSIONS: $\frac{MM}{(IN.)}$



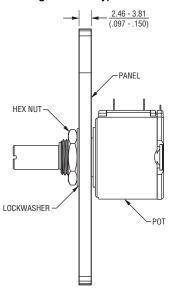
*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and

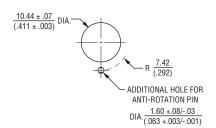
RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

Panel Thickness Dimensions

(For Bushing Mount Only)





Anti-rotation pin hole is shown at six o'clock position for reference only. The actual location is determined by the customer's application. Refer to the front view of the potentiometer to see the location of the optional A/R pin.

Panel thickness and hole diameters are recommended for best fit. However, customers may adjust the dimensions to suit their specific application.