

Features

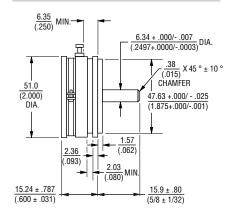
- Servo mount style
- Shaft supported by front and rear precision ball bearings
- Non-standard features and specifications available
- Gangable up to 10 cups

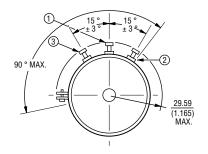
6574 - Precision Potentiometer

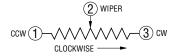
Electrical Characteristics ¹	
Standard Resistance Range	1 K to 100 K ohms
	±10 %
	±0.25 %
Effective Electrical Angle	350 ° ±2 °
End Voltage0.1 %	6 maximum (0.2 % at 2 K ohms, 0.4 % at 1 K ohms)
Output Smoothness	
See Level	Method 301)1,000 VAC minimum
Power Rating (Voltage Limited By Power Dissip	ation or 350 VAC. Whichever is Less)
	2 watts
	0 watt
	1,000 megohms minimum
Resolution	Essentially infinite
Environmental Characteristics ¹	
	40.00 +- 405.00
Operating temperature Range	-40 °C to +125 °C
Tomporature Coefficient Over Storage Tompora	65 °C to +125 °C ture Range±500 ppm/°C maximum
Vihration	15 G
	±2 % maximum
Shock	60 G
	0.1 millisecond maximum
	1,000 hours, 1.5 watts
	±10 % maximum
	25,000,000 shaft revolutions±10 % maximum
Moisture Resistance (MIL-STD-202, Method 10	±10 % IIIaxIIIIuIII
Total Resistance Shift	±10 % maximum
IP Rating	IP 40
Mechanical Characteristics ¹	
Mechanical Angle	
	0.1 ° maximum
	89 gm
	Side exit turret terminals
Soldering Condition	/0.0A /0.5Q
Manual Soldering 96.5Sn/	/3.0Ag/0.5Cu solid wire or no-clean rosin cored wire
Wayo Saldaring	370 °C (700 °F) max. for 3 seconds 96.5Sn/3.0Ag/0.5Cu solder with no-clean flux
vvave soluering	260 °C. (500 °F) may for 5 eaconds
Wash processes	260 °C (500 °F) max. for 5 seconds Not recommended
Marking Manufacturer's nar	me and part number, resistance value and tolerance,
	linearity tolerance, wiring diagram, and date code.
	10 cup maximum
Hardware	No hardware included
iaiawaio	To hardware meladed

 $^1\mathrm{At}$ room ambient: +25 °C nominal and 50 % relative humidity nominal, except as noted.

Product Dimensions







Recommended Part Numbers

Part Number*	Resistance (Ω)
65748-1-102	1,000
65748-1-502	5,000
6574S-1-103	10,000

BOLDFACE LISTINGS ARE IN STOCK AND READILY AVAILABLE THROUGH DISTRIBUTION.
FOR OTHER OPTIONS CONSULT FACTORY.

REV. 10/19



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