

Features

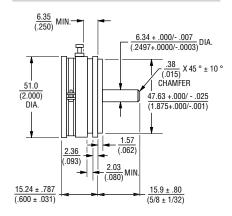
- Servo mount style
- Shaft supported by front and rear precision ball bearings
- Non-standard features and specifications available
- Gangable up to 10 cups

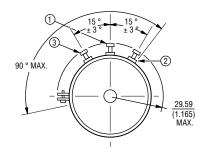
6574 - Precision Potentiometer

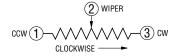
Electrical Characteristics ¹	
Standard Resistance Range	1 K to 100 K ohms
Fotal Resistance Tolerance	
ndependent Linearity	+0.25 %
Effective Electrical Angle	
End Voltage	% at 2 K ohms, 0.4 % at 1 K ohms
Output Smoothness	0.1 %
Dielectric Withstanding Voltage (MIL-STD-202, Method 301)	
Sea Level	1,000 VAC minimun
Power Rating (Voltage Limited By Power Dissipation or 350 VAC	C, Whichever is Less)
+70 °C	
+125 °C	
nsulation Resistance (500 VDC)	
Resolution	Essentially infinite
Environmental Characteristics ¹	
Operating Temperature Range	40 °C to +125 °C
Storage Temperature Range	65 °C to +125 °C
Temperature Coefficient Over Storage Temperature Range	±500 ppm/°C maximun
/ibration	
Wiper Bounce Total Resistance Shift	
Shock	
Wiper Bounce	0.1 millisocond maximur
Load Life	1 000 hours 1.5 watt
Total Resistance Shift	
Rotational Life (No Load)	
Total Resistance Shift	±10 % maximur
Moisture Resistance (MIL-STD-202, Method 103, Condition B)	±10 % maximur
Moisture Resistance (MIL-STD-202, Method 103, Condition B) Total Resistance Shift	±10 % maximun ±10 % maximun
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Moisture Resistance (MIL-STD-202, Method 103, Condition B) Total Resistance Shift	±10 % maximun ±10 % maximun
Moisture Resistance (MIL-STD-202, Method 103, Condition B) Total Resistance Shift	±10 % maximur ±10 % maximur IP 4
Moisture Resistance (MIL-STD-202, Method 103, Condition B) Total Resistance Shift	±10 % maximur ±10 % maximur IP 4 Continuou
Moisture Resistance (MIL-STD-202, Method 103, Condition B) Total Resistance Shift P Rating Mechanical Characteristics Mechanical Angle Forque (Starting & Running) Shaft Runout	±10 % maximur ±10 % maximur IP 4 Continuou 0.53 N-cm (0.75 ozin.) maximur 0.025 mm (0.001 in.) T.I.F
Moisture Resistance (MIL-STD-202, Method 103, Condition B) Total Resistance Shift P Rating Mechanical Characteristics Mechanical Angle Forque (Starting & Running) Shaft Runout Shaft End Play	±10 % maximur ±10 % maximur
Moisture Resistance (MIL-STD-202, Method 103, Condition B) Total Resistance Shift P Rating Mechanical Characteristics Mechanical Angle Forque (Starting & Running) Shaft Runout Shaft End Play Shaft Radial Play	±10 % maximur ±10 % maximur
Moisture Resistance (MIL-STD-202, Method 103, Condition B) Total Resistance Shift P Rating Mechanical Characteristics Mechanical Angle Forque (Starting & Running) Shaft Runout Shaft Runout Shaft Radial Play Pilot Diameter Runout	±10 % maximur ±10 % maximur
Moisture Resistance (MIL-STD-202, Method 103, Condition B) Total Resistance Shift P Rating	±10 % maximur±10 % maximur±10 % maximur
Moisture Resistance (MIL-STD-202, Method 103, Condition B) Total Resistance Shift P Rating Mechanical Characteristics Mechanical Angle Forque (Starting & Running) Shaft Runout Shaft Radial Play Pilot Diameter Runout Sacklash	±10 % maximur ±10 % maximur
Moisture Resistance (MIL-STD-202, Method 103, Condition B) Total Resistance Shift P Rating Mechanical Characteristics Mechanical Angle forque (Starting & Running) Shaft Runout Shaft End Play Pilot Diameter Runout Lateral Runout Sacklash Weight	±10 % maximur ±10 % maximur
Moisture Resistance (MIL-STD-202, Method 103, Condition B) Total Resistance Shift P Rating Mechanical Characteristics Mechanical Angle Forque (Starting & Running) Shaft Runout Shaft End Play Shaft Radial Play Pilot Diameter Runout Lateral Runout Backlash Weight Ferminals	±10 % maximur±10 % maximur±10 % maximur
Moisture Resistance (MIL-STD-202, Method 103, Condition B) Total Resistance Shift P Rating Mechanical Characteristics Mechanical Angle Forque (Starting & Running) Shaft Runout Shaft Radial Play Pilot Diameter Runout Jacklash Meight Jerminals Soldering Condition	±10 % maximur±10 % maximur
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Moisture Resistance (MIL-STD-202, Method 103, Condition B) Total Resistance Shift P Rating Mechanical Characteristics Mechanical Angle Forque (Starting & Running) Shaft Runout Shaft End Play Filot Diameter Runout Lateral Runout Backlash Weight Ferminals Soldering Condition Manual Soldering Maye Soldering Method 103, Condition 103,	
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 $^1 At$ room ambient: +25 $^{\circ} C$ 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
65748-1-103	10,000

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

REV. 10/19



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