

View Online at <https://aerobasegroup.com/nsn/5905-00-088-2597>

Section Quantity:

1

Body Style:

Cylindrical servo mounted

Reliability Indicator:

Not established

Pilot Diameter:

Between 1.9360 inches and 1.9370 inches

Pilot Length:

Between 0.0290 inches and 0.0320 inches

Overall Length:

Between 1.217 inches and 1.260 inches

Undercut Diameter:

Between 1.9375 inches and 1.9385 inches

Undercut Width:

Between 0.0700 inches and 0.0900 inches

Body Diameter:

Between 1.990 inches and 2.010 inches

Shaft Diameter:

0.250 inches

Shaft Length:

Between 0.198 inches and 0.218 inches

Body Length:

Between 0.990 inches and 1.010 inches

Overall Diameter:

Between 2.125 inches and 2.151 inches

Mounting Lip Diameter:

Between 1.9900 inches and 2.0100 inches

Mounting Lip Depth:

Between 0.0680 inches and 0.0850 inches

Shaft Style:

Round

Shaft Bearing Type:

Bearing

Actuator Type:

Single shaft

Effective Electrical Rotation In Deg Angular Rotation:

Between 319.0 and 321.0

Maximum Starting Torque:

0.60 inch-ounces

Shaft End Play:

0.006 inches

Lateral Runout:

0.001 inches

Pilot Diameter Runout:

0.001 inches

Terminal Location:

Radially positioned over less than half the circumference

Mounting Method:

Clamp ring

Electrical Resistance Per Section:

1.0 kilohms single section

Rotary Actuator Travel In Angular Deg:

360.0

Function Conformity Tolerance Per Section:

-0.50/+0.50 single section

Ambient Temperature In Deg Celsius Per Section At Zero Percent Rated Power:

105.0 single section

Temperature Coefficient Of Resistance Per Section In Ppm Per Deg Celsius:

-30.0/+30.0 single section

Power Dissipation Rating Per Section In Watts:

4.0 free air single section

Function Conformity Per Section:

Single section independent linearity

Resistance Tolerance Per Section In Percent:

-1.0 to 1.0 single section

Actuator Travel Control Feature:

Continuous motion

Function Characteristic Per Section:

Single section linear

Ambient Temperature In Deg Celsius Per Section At Full Rated Power:

40.0 single section

Test Data Document:

81349-mil-r-8903 specification (includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical", "average", "", etc.).

Terminal Type And Quantity:

12 solder stud

Specification Data:

81349-mil-r-8903 government specification

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

No

Fig:

1-000-0