

View Online at <https://aerobasegroup.com/nsn/5905-00-929-7938>

**Section Quantity:**

8

**Body Style:**

Cylindrical servo mounted

**Reliability Indicator:**

Not established

**Pilot Diameter:**

Between 0.9683 inches and 0.9688 inches

**Pilot Length:**

Between 0.0570 inches and 0.0670 inches

**Undercut Diameter:**

Between 1.052 inches and 1.067 inches

**Undercut Width:**

Between 0.0570 inches and 0.0670 inches

**Body Diameter:**

Between 1.099 inches and 1.109 inches

**Shaft Diameter:**

Between 0.1245 inches and 0.1250 inches

**Shaft Length:**

Between 0.734 inches and 0.766 inches

**Mounting Stud Length:**

Between 0.250 inches and 0.281 inches

**Body Length:**

Between 3.360 inches and 3.400 inches

**Mounting Lip Diameter:**

Between 1.0520 inches and 1.0670 inches

**Mounting Lip Depth:**

Between 0.0570 inches and 0.0670 inches

**Shaft Style:**

Round, slotted

**Shaft Bearing Type:**

Bearing

**Actuator Type:**

Single shaft

**Effective Electrical Rotation In Deg Angular Rotation:**

360.0

**Maximum Starting Torque:**

4.00 inch-ounces

**Maximum Running Torque:**

4.00 inch-ounces

**Shaft End Play:**

0.001 inches

**Shaft Radial Play:**

0.001 inches

**Mechanical Backlash In Deg Angular Rotation:**

0.25

**Fragility Factor:**

Moderately rugged

**Screw Thread Diameter:**

0.112 inches

**Screw Thread Series Designator:**

Unc

**Screw Thready Qty Per Inch (tpi):**

40.0

**Mounting Facility Quantity:**

2

**Terminal Location:**

Radially positioned over more than half the circumference

**Mounting Method:**

Clamp ring and threaded stud

**Features Provided:**

Humidity proof

**Electrical Resistance Per Section:**

5.0 kilohms all sections

**Tap Location From Ccw Terminal Per Section In Deg Of Effective Electrical Rotation:**

0.0 7th section and 12.0 7th section and 48.0 7th section and 109.0 7th section and 128.0 7th section and 140.0 7th section and 152.0 7th section and 350.0 7th section

**Rotary Actuator Travel In Angular Deg:**

360.0

**Function Conformity Tolerance Per Section:**

-0.50/+0.50 all sections

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

-50.0/+50.0 all sections

**Power Dissipation Rating Per Section In Watts:**

0.25 free air all sections

**Function Conformity Per Section:**

All sections absolute linearity

**Fixed Tap Quantity Per Section:**

8 1st section

**Tap Location Tolerance Per Section:**

-1.0/+1.0 degrees angular rotation all sections

**Resistance Tolerance Per Section In Percent:**

-10.0/+10.0 all sections

**Actuator Travel Control Feature:**

Continuous motion

**Function Characteristic Per Section:**

All sections linear

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

100.0 all sections

**Unpackaged Unit Weight:**

6.0 grams

**Test Data Document:**

80045-361644 drawing (this is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard or other document that may be referenced in a basic governing drawing)

**Terminal Type And Quantity:**

77 turret

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fig:**

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