NSN 5905-00-707-0802

Precision Wire Wound Variable Resistor - Page 1 of 3



View Online at https://aerobasegroup.com/nsn/5905-00-707-0802
Section Quantity:
2
Body Style:
Cylindrical servo mounted
Reliability Indicator:
Not established
Pilot Diameter:
Between 0.7490 inches and 0.7500 inches
Pilot Length:
0.0620 inches
Overall Length:
4.986 inches
Undercut Diameter:
1.875 inches
Undercut Width:
0.0930 inches
Body Diameter:
2.000 inches
Angle Of Mounting Hole In Deg:
120.0
Angle Between Centerlines Of Mounting Holes In Deg:
90.0
Shaft Diameter:
0.250 inches
Shaft Length:
0.938 inches
Body Length:
4.048 inches
Mounting Lip Diameter:
2.0000 inches
Mounting Lip Depth:
0.0620 inches
Mounting Hole/stud Circle Diameter:
0.937 inches
Shaft Style:
Round
Shaft Bearing Type:
Ball
Actuator Type:
Single shaft
Effective Electrical Rotation In Deg Angular Rotation:

Between 3600.0 and 3601.0

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Maximum Starting Torque:
2.00 inch-ounces
Maximum Running Torque:
1.50 inch-ounces
Maximum Stop Torque:
30.00 inch-ounces
Shaft End Play:
0.00500 inches
Shaft Runout:
0.001 inches
Lateral Runout:
0.001 inches
Pilot Diameter Runout:
0.00100 inches
Screw Thread Diameter:
0.164 inches
Screw Thread Series Designator:
Unc
Screw Thready Qty Per Inch (tpi):
32.0
Mounting Facility Quantity:
3
Terminal Location:
Radially positioned over less than half the circumference
Mounting Method:
Threaded hole
Features Provided:
Nonmetallic shaft
Electrical Resistance Per Section:
10.000 kilohms all sections
Rotary Actuator Travel In Angular Deg:
Between 3600.0 and 3601.0
Function Conformity Tolerance Per Section:
-0.02/+0.02 all sections
Ambient Tempurature In Deg Celsius Per Section At Zero Percent Rated Power:
85.0 all sections
Power Dissipation Rating Per Section In Watts:
5.0 free air all sections
Function Conformity Per Section:
All sections independent linearity
Fixed Tap Quantity Per Section:
1 2nd section
Tan Location Tolerance Per Section:

-0.5/+0.5 degrees angular rotation all sections

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Resistance Tolerance Per Section In Percent:
-0.5/+0.5 all sections
Actuator Travel Control Feature:
Continuous motion
Function Characteristic Per Section:
All sections linear
Tempurature Coefficient Of Resistance Wire Per Section In Ppm Per Deg Celsius:
-25.0/+25.0 all sections
Ambient Tempurature In Deg Celsius Per Section At Full Rated Power:
40.0 all sections
Terminal Type And Quantity:
8 turret
Shelf Life:
N/a
Unit Of Measure:
Demilitarization:
No
Fiig:
A002a0