NSN 5905-01-041-2814

Precision Wire Wound Variable Resistor - Page 1 of 3



View Online at https://aerobasegroup.com/nsn/5905-01-041-2814 **Section Quantity:** 1 **Body Style:** Cylindrical servo mounted **Reliability Indicator:** Not established **Pilot Diameter:** 0.9688 inches Pilot Length: 0.0620 inches **Overall Length:** 1.867 inches **Undercut Diameter:** 0.9688 inches **Undercut Width:** 0.0620 inches **Body Diameter:** 1.062 inches **Shaft Diameter:** 0.250 inches **Shaft Length:** 0.690 inches **Body Length:** 1.177 inches **Overall Diameter:** 1.626 inches **Mounting Lip Diameter:** 1.0620 inches **Mounting Lip Depth:** 0.0620 inches **Shaft Style:** Round, undercut **Shaft Bearing Type:** Ball **Actuator Type:** Single shaft **Effective Electrical Rotation In Deg Angular Rotation:** 330.0 **Maximum Starting Torque:**

1.00 inch-ounces

Maximum Running Torque:

3.00 inch-ounces

NSN 5905-01-041-2814

Maximum Stop Torque:

Precision Wire Wound Variable Resistor - Page 2 of 3



48.00 inch-ounces
Shaft End Play:
0.005 inches
Shaft Runout:
0.001 inches
Lateral Runout:
0.002 inches
Pilot Diameter Runout:
0.001 inches
Shaft Radial Play:
0.002 inches
Fragility Factor:
Moderately rugged
Terminal Location:
Radially positioned over less than half the circumference
Mounting Method:
Clamp ring
Electrical Resistance Per Section:
5.0 kilohms single section
Tap Location From Ccw Terminal Per Section In Deg Of Effective Electrical Rotation:
180.0 single section
Rotary Actuator Travel In Angular Deg:
330.0
Function Conformity Tolerance Per Section:
-1.00/+1.00 single section
Ambient Tempurature In Deg Celsius Per Section At Zero Percent Rated Power:
125.0 single section
Tempurature Coefficient Of Resistance Per Section In Ppm Per Deg Celsius:
-20.0/+20.0 single section
Power Dissipation Rating Per Section In Watts:
1.25 free air single section
Function Conformity Per Section:
Single section absolute conformity
Fixed Tap Quantity Per Section:
1 single section
Tap Location Tolerance Per Section:
-1.0/+1.0 degrees angular rotation single section
Resistance Tolerance Per Section In Percent:
-5.0/+5.0 single section
Actuator Travel Control Feature:

2500.0 single section

Tap Location From Ccw Terminal Per Section In Ohms:

NSN 5905-01-041-2814

Fiig: A002a0

Precision Wire Wound Variable Resistor - Page 3 of 3



Function Characteristic Per Section:
Single section linear
Ambient Tempurature In Deg Celsius Per Section At Full Rated Power:
70.0 single section
Precious Material And Location:
Terminal surfaces gold
Precious Material:
Gold
Test Data Document:
07397-37-811168 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)
Ferminal Type And Quantity:
4 turret
Shelf Life:
N/a
Jnit Of Measure:
-
Demilitarization:
No