NSN 5905-01-224-7977

Precision Nonwire Wound Variable Resistor - Page 1 of 2



View Online at https://aerobasegroup.com/nsn/5905-01-224-7977 **Section Quantity:** 1 **Body Style:** Cylindrical servo mounted **Reliability Indicator:** Not established **Pilot Diameter:** 0.7500 inches Pilot Length: 0.0620 inches **Undercut Diameter:** 0.781 inches **Undercut Width:** 0.0570 inches **Body Diameter:** 1.062 inches **Shaft Diameter:** 0.125 inches **Shaft Length:** 0.500 inches **Body Length:** 0.810 inches **Mounting Lip Diameter:** Between 0.8650 inches and 0.8800 inches **Mounting Lip Depth:** 0.0620 inches **Shaft Style:** Round **Actuator Type:** Single shaft **Effective Electrical Rotation In Deg Angular Rotation:**

320.0 **Maximum Starting Torque:** 0.50 inch-ounces **Maximum Running Torque:** 0.40 inch-ounces **Shaft End Play:** 0.00500 inches **Shaft Runout:**

Lateral Runout: 0.002 inches

0.002 inches

NSN 5905-01-224-7977

Precision Nonwire Wound Variable Resistor - Page 2 of 2



| Shaft Radial Play: .001 inches End Application: B-1b aircraft Terminal Location: Rotalily positioned over less than half the circumference Mounting Method: Clamp ring Electrical Resistance Per Section: 1.000 kilohms single section Rotary Actuator Travel in Angular Deg: 380.0 Ambient Tempurature in Deg Celsius Per Section At Zero Percent Rated Power: 125.0 single section Power Dissipation Rating Per Section in Watts: 1.0 free air single section Power Dissipation Rating Per Section in Percent: 1.0.0 to 10.0 single section Actuator Travel Control Feature: Continuous motion Ambient Tempurature In Deg Celsius Per Section At Full Rated Power: 70.0 single section 181349—milr-39023 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: 3 tab, solder lug Specification Data: 81349-milr-390231 government specification Shelf Life: N/a Unit of Measure: | Pilot Diameter Runout: |
|--|--|
| 0.001 inches End Application: B-1b aircraft Terminal Location: Radially positioned over less than half the circumference Mounting Method: Clamp ring Electrical Resistance Per Section: 1.000 kilohms single section Rotary Actuator Travel in Angular Deg: 360.0 Ambient Tempurature in Deg Celsius Per Section At Zero Percent Rated Power: 125.0 single section Power Dissipation Rating Per Section In Watts: 1.0 free air single section Resistance Tolerance Per Section in Percent: -10.0 to 10.0 single section Actuator Travel Control Feature: Continuous motion Ambient Tempurature in Deg Celsius Per Section At Full Rated Power: 70.0 single section Test Data Document: 81349-mil-r-39023 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: 3 tab, solder lug Specification Data: 81449-mil-r-39023/1 government specification Sheft Life: N/a Unit Of Measure: Demilitarization: No Flig: | 0.00100 inches |
| End Application: B-1b aircraft Terminal Location: Radially positioned over less than half the circumference Mounting Method: Clamp ring Electrical Resistance Per Section: 1.000 kilohms single section Rotary Actuator Travel In Angular Deg: 360.0 Ambient Tempurature In Deg Celsius Per Section At Zero Percent Rated Power: 125.0 single section Power Dissipation Rating Per Section In Watts: 1.0 free air single section Resistance Tolerance Per Section In Percent: -10.0 to 10.0 single section Actuator Travel Control Feature: Continuous motion Ambient Tempurature In Deg Celsius Per Section At Full Rated Power: 70.0 single section Test Data Document: 81349-mill-r-39023 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: 3 tab, solder lug Specification Data: 81349-mill-r-39023/1 government specification Sheff Life: N/a Unit Of Measure: | Shaft Radial Play: |
| B-1b aircraft Terminal Location: Radially positioned over less than half the circumference Mounting Method: Clamp ring Electrical Resistance Per Section: 1.000 kilohms single section Rotary Actuator Travel In Angular Deg: 380.0 Ambient Tempurature In Deg Celsius Per Section At Zero Percent Rated Power: 125.0 single section Power Dissipation Rating Per Section In Watts: 1.0 free air single section Resistance Tolerance Per Section In Percent: -10.0 to 10.0 single section Resistance Tolerance Per Section In Percent: -10.0 to 10.0 single section Actuator Travel Control Feature: Continuous motion Actuator Travel Control Feature: 70.0 single section Test Data Document: 81349-mil-r-39023 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: 3 tab, solder lug Specification Data: 81349-mil-r-39023/1 government specification Sheff Life: N/a Unit Of Measure: | 0.001 inches |
| Terminal Location: Radially positioned over less than half the circumference Mounting Method: Clamp ring Electrical Resistance Per Section: 1.000 kilohms single section Rotary Actuator Travel In Angular Deg: 360.0 Ambient Tempurature In Deg Celsius Per Section At Zero Percent Rated Power: 125.0 single section Power Dissipation Rating Per Section In Watts: 1.0 free air single section Resistance Tolerance Per Section In Percent: -1.0.0 to 10.0 single section Resistance Tolerance Per Section In Percent: -1.0.0 to 10.0 single section Actuator Travel Control Feature: Continuous motion Ambient Tempurature In Deg Celsius Per Section At Full Rated Power: 70.0 single section Test Data Document: 81349-milr-39023 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: 3 tab, solder lug 81349-milr-39023/1 government specification Shelf Life: Na Unit Of Measure: - Demilitarization: No Flig: | End Application: |
| Radially positioned over less than half the circumference Mounting Method: Clamp ring Electrical Resistance Per Section: 1,000 kilohms single section Rotary Actuator Travel In Angular Deg: 360.0 Ambient Tempurature In Deg Celsius Per Section At Zero Percent Rated Power: 125.0 single section Power Dissipation Rating Per Section In Watts: 1,0 free air single section Resistance Tolerance Per Section In Percent: -10.0 to 10.0 single section Actuator Travel Control Feature: Continuous motion Ambient Tempurature In Deg Celsius Per Section At Full Rated Power: 70.0 single section Test Data Document: 81349-mil-r-39023 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: 3 lab, solder lug Specification Data: 81349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Flig: | B-1b aircraft |
| Mounting Method: Clamp ring Electrical Resistance Per Section: 1.000 kilohms single section Rotary Actuator Travel In Angular Deg: 360.0 Ambient Tempurature In Deg Celsius Per Section At Zero Percent Rated Power: 125.0 single section Power Dissipation Rating Per Section In Watts: 1.0 free air single section Resistance Tolerance Per Section In Percent: -1.0 to 10 10 single section Actuator Travel Control Feature: Continuous motion Arbient Tempurature In Deg Celsius Per Section At Full Rated Power: 7.0 single section Test Data Document: 81349-mil-r-39023 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: 3 tab, solder lug Specification Data: 81349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Fig: | Terminal Location: |
| Electrical Resistance Per Section: 1.000 kilohms single section Rotary Actuator Travel In Angular Deg: 360.0 Ambient Tempurature In Deg Celsius Per Section At Zero Percent Rated Power: 125.0 single section Power Dissipation Rating Per Section In Watts: 1.0 free air single section Resistance Tolerance Per Section In Percent: 1.0.0 to 10.0 single section Actuator Travel Control Feature: Continuous motion Ambient Tempurature In Deg Celsius Per Section At Full Rated Power: 70.0 single section Test Data Document: 81349-mill-r-39023 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: 3 tab, solder lug Specification Data: 81349-mill-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Filg: | Radially positioned over less than half the circumference |
| Electrical Resistance Per Section: 1.000 kilohms single section Rotary Actuator Travel In Angular Deg: 360.0 Ambient Tempurature In Deg Celsius Per Section At Zero Percent Rated Power: 125.0 single section Power Dissipation Rating Per Section In Watts: 1.0 free air single section Resistance Tolerance Per Section In Percent: -10.0 to 10.0 single section Actuator Travel Control Feature: Continuous motion Ambient Tempurature In Deg Celsius Per Section At Full Rated Power: 70.0 single section Test Data Document: 81349-mil-r-39023 specification (includes engineering type builletins, 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: 3 tab, solder lug Specification Data: 81349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Flig: | Mounting Method: |
| 1.000 kilohms single section Rotary Actuator Travel In Angular Deg: 360.0 Ambient Tempurature In Deg Celsius Per Section At Zero Percent Rated Power: 125.0 single section Power Dissipation Rating Per Section In Watts: 1.0 free air single section Resistance Tolerance Per Section In Percent: 10.0 to 10.0 single section Resistance Tolerance Per Section In Percent: 10.0 to 10.0 single section Actuator Travel Control Feature: Continuous motion Ambient Tempurature In Deg Celsius Per Section At Full Rated Power: 70.0 single section Test Data Document: 81349-mil-r-39023 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: 3 tab, solder lug Specification Data: 81349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Flig: | Clamp ring |
| Rotary Actuator Travel In Angular Deg: 360.0 Ambient Tempurature In Deg Celsius Per Section At Zero Percent Rated Power: 125.0 single section Power Dissipation Rating Per Section In Watts: 1.0 free air single section Resistance Tolerance Per Section In Percent: -1.0 to 10.0 single section Resistance Tolerance Per Section In Percent: -1.0 to 10.0 single section Actuator Travel Control Feature: Continuous motion Ambient Tempurature In Deg Celsius Per Section At Full Rated Power: 7.0.0 single section Test Data Document: Bi349-mi1-r-39023 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: 3 tab, solder lug Specification Data: B1349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Flig: | Electrical Resistance Per Section: |
| Ambient Tempurature In Deg Celsius Per Section At Zero Percent Rated Power: 125.0 single section Power Dissipation Rating Per Section In Watts: 1.0 free air single section Resistance Tolerance Per Section In Percent: -10.0 to 10.0 single section Actuator Travel Control Feature: Continuous motion Ambient Tempurature In Deg Celsius Per Section At Full Rated Power: 70.0 single section Test Data Document: 81349-mil-r-39023 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: 3 tab, solder lug Specification Data: 81349-mil-r-39023/1 government specification Shelf Life: Na Unit Of Measure: Demilitarization: No Flig: | 1.000 kilohms single section |
| Ambient Tempurature In Deg Celsius Per Section At Zero Percent Rated Power: 125.0 single section Power Dissipation Rating Per Section In Watts: 1.0 free air single section Resistance Tolerance Per Section In Percent: -10.0 to 10.0 single section Actuator Travel Control Feature: Continuous motion Ambient Tempurature In Deg Celsius Per Section At Full Rated Power: 70.0 single section Test Data Document: 81349-mil-r-39023 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: 3 tab, solder lug Specification Data: 81349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Fig: | Rotary Actuator Travel In Angular Deg: |
| 125.0 single section Power Dissipation Rating Per Section In Watts: 1.0 free air single section Resistance Tolerance Per Section In Percent: -10.0 to 10.0 single section Actuator Travel Control Feature: Continuous motion Ambient Tempurature In Deg Celsius Per Section At Full Rated Power: 70.0 single section Test Data Document: 81349-mil-r-39023 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: 3 tab, solder lug Specification Data: 81349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Fig: | 360.0 |
| Power Dissipation Rating Per Section In Watts: 1.0 free air single section Resistance Tolerance Per Section In Percent: -10.0 to 10.0 single section Actuator Travel Control Feature: Continuous motion Ambient Tempurature In Deg Celsius Per Section At Full Rated Power: 70.0 single section Test Data Document: 81349-mil-r-39023 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: 3 tab, solder lug Specification Data: 81349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Fig: | Ambient Tempurature In Deg Celsius Per Section At Zero Percent Rated Power: |
| 1.0 free air single section Resistance Tolerance Per Section In Percent: -10.0 to 10.0 single section Actuator Travel Control Feature: Continuous motion Ambient Tempurature In Deg Celsius Per Section At Full Rated Power: 70.0 single section Test Data Document: 81349-mil-r-39023 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: 3 tab, solder lug Specification Data: 81349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Fig: | 125.0 single section |
| Resistance Tolerance Per Section In Percent: -10.0 to 10.0 single section Actuator Travel Control Feature: Continuous motion Ambient Tempurature In Deg Celsius Per Section At Full Rated Power: 70.0 single section Test Data Document: 81349-mil-r-39023 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: 3 tab, solder lug Specification Data: 81349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Fiig: | Power Dissipation Rating Per Section In Watts: |
| Actuator Travel Control Feature: Continuous motion Ambient Tempurature In Deg Celsius Per Section At Full Rated Power: 70.0 single section Test Data Document: 81349-mil-r-39023 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: 3 tab, solder lug Specification Data: 81349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Fiig: | 1.0 free air single section |
| Actuator Travel Control Feature: Continuous motion Ambient Tempurature In Deg Celsius Per Section At Full Rated Power: 70.0 single section Test Data Document: 81349-mil-r-39023 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: 3 tab, solder lug Specification Data: 81349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Fig: | Resistance Tolerance Per Section In Percent: |
| Continuous motion Ambient Tempurature In Deg Celsius Per Section At Full Rated Power: 70.0 single section Test Data Document: 81349-mil-r-39023 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: 3 tab, solder lug Specification Data: 81349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Fitig: | -10.0 to 10.0 single section |
| Ambient Tempurature In Deg Celsius Per Section At Full Rated Power: 70.0 single section Test Data Document: 81349-mil-r-39023 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: 3 tab, solder lug Specification Data: 81349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Fig: | Actuator Travel Control Feature: |
| Test Data Document: 81349-mil-r-39023 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: 3 tab, solder lug Specification Data: 81349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Fiig: | Continuous motion |
| Test Data Document: 81349-mil-r-39023 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: 3 tab, solder lug Specification Data: 81349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Fitig: | Ambient Tempurature In Deg Celsius Per Section At Full Rated Power: |
| 81349-mil-r-39023 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: 3 tab, solder lug Specification Data: 81349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Fiig: | 70.0 single section |
| 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: 3 tab, solder lug Specification Data: 81349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Fiig: | Test Data Document: |
| environmental and performance requirements and test conditions that are shown as "typical", "average", "", etc.). Terminal Type And Quantity: 3 tab, solder lug Specification Data: 81349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Fiig: | 81349-mil-r-39023 specification (includes engineering type bulletins, brochures, etc., that reflect specification type data in specification |
| Terminal Type And Quantity: 3 tab, solder lug Specification Data: 81349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Fiig: | format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain |
| 3 tab, solder lug Specification Data: 81349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Fiig: | environmental and performance requirements and test conditions that are shown as "typical", "average", "", etc.). |
| Specification Data: 81349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Fiig: | Terminal Type And Quantity: |
| 81349-mil-r-39023/1 government specification Shelf Life: N/a Unit Of Measure: Demilitarization: No Fiig: | 3 tab, solder lug |
| Shelf Life: N/a Unit Of Measure: Demilitarization: No Fiig: | Specification Data: |
| N/a Unit Of Measure: Demilitarization: No Fiig: | 81349-mil-r-39023/1 government specification |
| Unit Of Measure: Demilitarization: No Fiig: | Shelf Life: |
| Demilitarization: No Fiig: | N/a |
| No Fiig: | Unit Of Measure: |
| No Fiig: | |
| Fiig: | Demilitarization: |
| | No |
| A002a0 | Fiig: |
| | A002a0 |