

Resistor, Variable, Wire Wound, Non

5905-00-059-5449

NSN 5905-00-059-5449 · NIIN 000595449 · Part number 08W1-2553

Servo Instrument Corporation · FSC 5905 — Resistor · FSG 59 — Electrical and Electronic Equipment Components · CAGE 19176

GOVERNMENT RECORD, CITED

NSN 5905-00-059-5449 — this item is cataloged by the U.S. Government under National Stock Number 5905-00-059-5449. Manufacturer of record part number: 08W1-2553.

ALSO SEARCHED AS 5905-00-059-5449 · 5905000595449 · NIIN 000595449 · 00-059-5449 · FSC 5905 Resistor · CAGE 19176 · 08W1-2553 · AP05C13J1 · APW1-2-104-1 · 576R080H01 · CM27192

NEARBY STOCK NUMBERS ← 5905-00-059-5429 · 5905-00-059-5454 →

FEATURES

- Resistor,variable,wire Wound,non — FSC 5905
- Nonturn Device Location: AT 6 OCLOCK
- Body Diameter: 0.480 INCHES NOMINAL IN
- Screw Thread Quantity Per Inch: 32.0
- Electrical Resistance Per Section: 50.0 KILOHMS SINGLE SECTION
- Ambient Temp in Deg Celsius Per Section at Zero Percent Rated Power: 150.0 SINGLE SECTION
- Section Quantity: 1
- Shaft Diameter: 0.120 INCHES MINIMUM AND 0.130 INCHES MAXIMUM IN

IDENTIFICATION

- NSN: 5905-00-059-5449
- NIIN: 000595449
- FSC: 5905 — Resistor
- FSG: 59 — Electrical and Electronic Equipment Components
- Primary part number: 08W1-2553
- Manufacturer: Servo Instrument Corporation

GENERAL DESCRIPTION

The Resistor,variable,wire Wound,non, cataloged under National Stock Number 5905-00-059-5449, is classified within Federal Supply Class 5905 (Resistor) of the Electrical and Electronic Equipment Components group. The manufacturer of record is Servo Instrument Corporation. Government technical data includes 25 specifications, cited from the U.S. Government catalog. The record lists 3 manufacturer part numbers for this item, enabling identification through both NSN and commercial part number lookups. 4 additional reference documents (drawings, advisory and superseded references) are recorded in the U.S. Government catalog. Current acquisition status: Active.

TECHNICAL SPECIFICATIONS

PARAMETER	VALUE
NSN	5905-00-059-5449
Primary Part Number	08W1-2553
Item Name	Resistor,variable,wire Wound,non
FSC / FSG	5905 / 59 — Resistor
Manufacturer	Servo Instrument Corporation
Status	ACTIVE
Nonturn Device Location	AT 6 OCLOCK
Body Diameter	0.480 INCHES NOMINAL IN
Screw Thread Quantity Per Inch	32.0
Electrical Resistance Per Section	50.0 KILOHMS SINGLE SECTION
Ambient Temp in Deg Celsius Per Section at Zero Percent Rated Power	150.0 SINGLE SECTION
Section Quantity	1
Shaft Diameter	0.120 INCHES MINIMUM AND 0.130 INCHES MAXIMUM IN

PARAMETER	VALUE
Nonturn Device Radius	0.170 INCHES MINIMUM AND 0.210 INCHES MAXIMUM IN
Body Style	CYLINDRICAL BUSHING MOUNTED
Overall Diameter	0.520 INCHES NOMINAL IN
Mounting Method	LOCKING BUSHING
Temp Coefficient of Resistance Per Section in Ppm Per Deg Celsius	-70.0 TO 70.0 SINGLE SECTION
Terminal Location	RADIALLY POSITIONED OVER LESS THAN HALF THE CIRCUMFERENCE LOCATION NOT OTHERWISE SPECIFIED
Shaft Style	ROUND, SLOTTED
Actuator Type	SINGLE SHAFT
Shaft Length	0.420 INCHES MINIMUM AND 0.460 INCHES MAXIMUM IN
Body Length	0.580 INCHES MAXIMUM IN
Power Dissipation Rating Per Section in Watts	2.0 FREE AIR SINGLE SECTION
Screw Thread Diameter	0.250 INCHES NOMINAL IN
Reliability Indicator	NOT ESTABLISHED
Screw Thread Series Designator	UNEF
Resistance Tolerance Per Section in Percent	-5.0 TO 5.0 SINGLE SECTION
Terminal Type and Quantity	3 TAB, SOLDER LUG
Mounting Bushing Length	0.360 INCHES MINIMUM AND 0.400 INCHES MAXIMUM IN
Ambient Temp in Deg Celsius Per Section at Full Rated Power	85.0 SINGLE SECTION

LIFECYCLE & COMPLIANCE

Acquisition Status	ACTIVE
DEMIL Code	DEMIL A – NO DEMILITARIZATION REQUIRED
Hazard	NO HAZARD CODE IN THE DLA RECORD (HMIC N)
Criticality Code	X

CROSS-REFERENCE INDEX

PART NUMBER	MANUFACTURER
08W1-2553	Servo Instrument Corporation (USA)
CM27192	Clarostat Sensors and Controls (USA)
AP05-C13-J1	Samarius Precision Instruments, Inc. Dba Samarius Precision Instruments (USA)

REFERENCE DOCUMENTS

REFERENCE	MEANING
AP05C13J1	5/9 Secondary reference Kop-Coat, Inc
APW1-2-104-1	5/9 Secondary reference U.S. Government activity
576R080H01	3/2 Design control – primary reference U.S. Government activity
APW1-2-104-1	5/9 Secondary reference Data Instruments Inc

No interchangeability data on file.

OTHER ITEMS IN FSC 5905 – RESISTOR

Items in the same Federal Supply class. No interchangeability or substitution relationship is implied.

5905-00-000-0136 RESISTOR NETWORK, FIXED, FILM	5905-00-000-0488 5905-00-000-0488 · Item name not on file	5905-00-000-8809 5905-00-000-8809 · Item name not on file	5905-00-000-8833 5905-00-000-8833 · Item name not on file
5905-00-000-9526 5905-00-000-9526 · Item name not on file	5905-00-001-1342 5905-00-001-1342 · Item name not on file	5905-00-001-1573 5905-00-001-1573 · Item name not on file	5905-00-001-2059 5905-00-001-2059 · Item name not on file

FREQUENTLY ASKED QUESTIONS

What is NSN 5905-00-059-5449?

NSN 5905-00-059-5449 is a Resistor,variable,wire Wound,non, manufactured by Servo Instrument Corporation, classified under FSC 5905, Resistor. Status: active.

What part numbers are listed for NSN 5905-00-059-5449?

NSN 5905-00-059-5449 has 3 manufacturer part numbers on file: 08W1-2553 (Servo Instrument Corporation), CM27192 (Clarostat Sensors and Controls), AP05-C13-J1 (Samarius Precision Instruments, Inc. Dba Samarius Precision Instruments).

What are the specifications of 08W1-2553?

Key specifications for 08W1-2553: Nonturn Device Location: AT 6 OCLOCK; Body Diameter: 0.480 INCHES NOMINAL IN; Screw Thread Quantity Per Inch: 32.0; Electrical Resistance Per Section: 50.0 KIOHMS SINGLE SECTION. 25 specifications are documented in the U.S. Government catalog.

Is NSN 5905-00-059-5449 hazardous material?

No hazard code in the DLA record (HMIC N). Hazard information on this page is shown exactly as it appears in the DLA record.

SOURCES

U.S. Government catalog: edition PUBLOGDVD v12.0.0 (OCT 2026), edition date 2026-10-01, retrieved 2026-10-16.

U.S. Government catalog: edition PUBLOGDVD v12.0.0 (OCT 2026), edition date 2026-10-01, retrieved 2026-10-18.

PartsTable — the parts reference. Every fact cited to its source.

partstable.com/parts/5905-00-059-5449

✓ Data cited from the U.S. Government catalog; commercial cross-references from OEM and certified industry sources.

 PartsTable Design LLC · partstable.com