PartsTable TECHNICAL DATA SHEET

Resistor, Fixed, Film

5905-00-059-2647

NSN 5905-00-059-2647 · NIIN 000592647

FSC 5905 — Resistor · FSG 59 — Electrical and Electronic Equipment Components

GOVERNMENT RECORD, CITED

ALSO SEARCHED AS 5905-00-059-2647 · 5905000592647 · NIIN 000592647 · 00-059-2647 · FSC 5905 Resistor · MILR10509-3 · RN70E2210F

NEARBY STOCK NUMBERS ← 5905-00-059-2646 · 5905-00-059-2648 →

FEATURES

- Resistor,fixed,film — FSC 5905
- Resistance Tolerance in Percent: -1.000 TO 1.000
- Temp Coefficient of Resistance in Ppm Per Deg Celsius: -25.0 TO 25.0
- Body Diameter: 0.250 INCHES NOMINAL IN
- Electrical Resistance: 221.000 OHMS
- Inclosure Type: ENCAPSULATED
- Terminal Type: WIRE LEAD
- Temp Range of Temp Coefficient in Deg Celsius: -55.0 TO 175.0

IDENTIFICATION

- NSN: 5905-00-059-2647
- NIIN: 000592647
- FSC: 5905 — Resistor
- FSG: 59 — Electrical and Electronic Equipment Components

GENERAL DESCRIPTION

The Resistor,fixed,film, cataloged under National Stock Number 5905-00-059-2647, is classified within Federal Supply Class 5905 (Resistor) of the Electrical and Electronic Equipment Components group. Government technical data includes 14 specifications, cited from the U.S. Government catalog. 2 additional reference documents (drawings, advisory and superseded references) are recorded in the U.S. Government catalog.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	5905-00-059-2647
Item Name	Resistor,fixed,film
FSC / FSG	5905 / 59 — Resistor
Status	ACTIVE
Resistance Tolerance in Percent	-1.000 TO 1.000
Temp Coefficient of Resistance in Ppm Per Deg Celsius	-25.0 TO 25.0
Body Diameter	0.250 INCHES NOMINAL IN
Electrical Resistance	221.000 OHMS
Inclosure Type	ENCAPSULATED
Terminal Type	WIRE LEAD
Temp Range of Temp Coefficient in Deg Celsius	-55.0 TO 175.0
Style Designator	AXIAL TERMINAL EACH END
Power Dissipation Rating in Watts	0.500 FREE AIR
Ambient Temp at Full Rated Power	125.0 CELSIUS DEGC
Body Length	0.750 INCHES NOMINAL IN
Ambient Temp in Deg Celsius at Zero Percent Rated Power	175.0
Reliability Indicator	NOT ESTABLISHED
Test Data Document	81349-MILR10509/3 SPECIFICATION (INCLUDES ENGINEERING TYPE BULLETINS, BROCHURES,ETC., THAT REFLECT SPECIFICATION TYPE DATA IN

PARAMETER	VALUE
	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", "NOMINAL", ETC.).

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

No manufacturer part numbers on file in the U.S. Government catalog.

REFERENCE DOCUMENTS

REFERENCE	MEANING
MILR10509-3	4/1 Identification reference U.S. Government activity
RN70E2210F	2/2 Government specification standardization U.S. Government activity

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 5905-00-059-2647?

NSN 5905-00-059-2647 is a Resistor,fixed,film, classified under FSC 5905, Resistor. Status: active.

What are the specifications of 5905-00-059-2647?

Key specifications for 5905-00-059-2647: Resistance Tolerance in Percent: -1.000 TO 1.000; Temp Coefficient of Resistance in Ppm Per Deg Celsius: -25.0 TO 25.0; Body Diameter: 0.250 INCHES NOMINAL IN; Electrical Resistance: 221.000 OHMS. 14 specifications are documented in the U.S. Government catalog.

Is NSN 5905-00-059-2647 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/5905-00-059-2647

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