



[Home](#) > [MRO](#) > [Electrical and Electronic Equipment Components](#) > **5990-00-059-3449**

Synchro, Transmitter

5990-00-059-3449

NSN 5990-00-059-3449 · NIIN 000593449 · Part number 15TX4-657060

L3 Aviation Products, Inc. Dba L3 Technologies · FSC 5990 — Synchros and Resolvers · FSG 59 — Electrical and Electronic Equipment Components · CAGE [06141](#)


GOVERNMENT RECORD, CITED

NSN 5990-00-059-3449 — this item is cataloged by the U.S. Government under National Stock Number 5990-00-059-3449. Manufacturer of record part number: **15TX4-657060**.

ALSO SEARCHED AS [5990-00-059-3449](#) · [5990000593449](#) · [NIIN 000593449](#) · [00-059-3449](#) · FSC [5990](#) Synchros and Resolvers · CAGE [06141](#) · [15TX4-657060](#)

NEARBY STOCK NUMBERS [← 5990-00-059-3308 Synchro, Transmitter](#) · [5990-00-059-3512 →](#)

FEATURES

- Synchro,transmitter — FSC 5990
- Body Size: 15
- Shaft Type: ROUND SINGLE SHAFT
- Flange Diameter: 1.4360 INCHES MINIMUM AND 1.4370 INCHES MAXIMUM IN
- Undercut Width: 0.0800 INCHES NOMINAL IN
- Shaft Diameter: 0.1195 INCHES MINIMUM AND 1.1200 INCHES MAXIMUM SINGLE SHAFT IN
- Rotor DC Resistance in Ohms: 10.00 NOMINAL
- Undercut Diameter: 1.3115 INCHES MINIMUM AND 1.3120 INCHES MAXIMUM IN

IDENTIFICATION

- NSN: 5990-00-059-3449
- NIIN: 000593449
- FSC: 5990 — Synchros and Resolvers
- FSG: 59 — Electrical and Electronic Equipment Components
- Primary part number: 15TX4-657060
- Manufacturer: L3 Aviation Products, Inc. Dba L3 Technologies

GENERAL DESCRIPTION

The Synchro,transmitter, cataloged under National Stock Number 5990-00-059-3449, is classified within Federal Supply Class 5990 (Synchros and Resolvers) of the Electrical and Electronic Equipment Components group. The manufacturer of record is L3 Aviation Products, Inc. Dba L3 Technologies. Government technical data includes 29 specifications, cited from the U.S. Government catalog. The record lists 1 manufacturer part number for this item, enabling identification through both NSN and commercial part number lookups. Current acquisition status: Active.

TECHNICAL SPECIFICATIONS

PARAMETER	VALUE
NSN	5990-00-059-3449
Primary Part Number	15TX4-657060
Item Name	Synchro,transmitter
FSC / FSG	5990 / 59 — Synchros and Resolvers
Manufacturer	L3 Aviation Products, Inc. Db a L3 Technologies
Status	ACTIVE
Body Size	15
Shaft Type	ROUND SINGLE SHAFT

PARAMETER	VALUE
Flange Diameter	1.4360 INCHES MINIMUM AND 1.4370 INCHES MAXIMUM IN
Undercut Width	0.0800 INCHES NOMINAL IN
Shaft Diameter	0.1195 INCHES MINIMUM AND 1.1200 INCHES MAXIMUM SINGLE SHAFT IN
Rotor DC Resistance in Ohms	10.00 NOMINAL
Undercut Diameter	1.3115 INCHES MINIMUM AND 1.3120 INCHES MAXIMUM IN
Length	0.1320 INCHES NOMINAL SHOULDER IN
Body Style	STANDARD ROUND C
Flange Thickness	0.0940 INCHES NOMINAL IN
Torque Gradient Per Angular Deg	2000.0 MILLIMETER-MILLIGRAMS NOMINAL MM
Rotor Input Electrical Power Rating	1.0 WATTS NOMINAL
Phase Shift Angle in Deg	4.000 INPUT TO OUTPUT NOMINAL
Mounting Surface to Terminal End Distance	1.6320 INCHES NOMINAL IN
Frequency in Hertz	400.0 NOMINAL
Terminal Location	REAR
Rotor Input Voltage Rating in Volts	26.0 NOMINAL
Shaft Length	0.5400 INCHES NOMINAL SINGLE SHAFT IN
Body Material	STEEL CORROSION RESISTING
Pilot Diameter	0.4995 INCHES MINIMUM AND 0.5000 INCHES MAXIMUM IN
Shoulder Diameter	1.3115 INCHES MINIMUM AND 1.3120 INCHES MAXIMUM IN
Maximum Total Null Voltage Output in Millivolts Per Volt	30.00
Transformation Ratio	0.455 ROTOR TO STATOR NOMINAL
Pilot Length	0.0400 INCHES NOMINAL IN
Electrical Error Angular Range in Minutes	-25.0 TO 25.0
Actuator Friction Torque at Plus 25 Deg Celsius	2.0 CENTIMETER-GRAMS NOMINAL CM
Rotor Input Current Rating	200.0 MILLIAMPERES NOMINAL
Terminal Type and Quantity	5 WIRE LEAD
Maximum Temp Rise	23.0 CELSIUS DEGC

LIFECYCLE & COMPLIANCE

Acquisition Status	ACTIVE
DEMIL Code	DEMIL B – REMOVE DEMILITARIZATION KEY POINTS
Hazard	NO HAZARD CODE IN THE DLA RECORD (HMIC N)
Criticality Code	X

CROSS-REFERENCE INDEX

PART NUMBER	MANUFACTURER
15TX4-657060 PRIMARY	L3 Aviation Products, Inc. Db a L3 Technologies (USA)

No interchangeability data on file.

OTHER ITEMS IN FSC 5990 – SYNCHROS AND RESOLVERS

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

5990-00-001-1764 SYNCHRO,DIFFERENTIAL TRANSMITTER	5990-00-001-1765 SYNCHRO,TRANSMITTER	5990-00-001-1766 SYNCHRO,CONTROL TRANSFORMER	5990-00-001-4570 5990-00-001-4570 · Item name not on file
---	--	--	---

5990-00-001-5956 5990-00-001-5956 · Item name not on file	5990-00-001-7588 SYNCHRO,TRANSMITTER	5990-00-003-0177 5990-00-003-0177 · Item name not on file	5990-00-003-0569 RESOLVER,ELECTRICAL
---	--	---	--

FREQUENTLY ASKED QUESTIONS

What is NSN 5990-00-059-3449?

NSN 5990-00-059-3449 is a Synchro,transmitter, manufactured by L3 Aviation Products, Inc. Dba L3 Technologies, classified under FSC 5990, Synchros and Resolvers. Status: active.

What part numbers are listed for NSN 5990-00-059-3449?

NSN 5990-00-059-3449 has 1 manufacturer part number on file: 15TX4-657060 (L3 Aviation Products, Inc. Dba L3 Technologies).

What are the specifications of 15TX4-657060?

Key specifications for 15TX4-657060: Body Size: 15; Shaft Type: ROUND SINGLE SHAFT; Flange Diameter: 1.4360 INCHES MINIMUM AND 1.4370 INCHES MAXIMUM IN; Undercut Width: 0.0800 INCHES NOMINAL IN. 29 specifications are documented in the U.S. Government catalog.

Is NSN 5990-00-059-3449 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.

What is the DEMIL code for NSN 5990-00-059-3449?

NSN 5990-00-059-3449 has DEMIL Code B. Demilitarization may be required before disposal or transfer to non-military entities.

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/5990-00-059-3449

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


 PartsTable Design LLC · partstable.com