

Synchro, Transmitter

5990-00-059-3308

NSN 5990-00-059-3308 · NIIN 000593308 · Part number 8TX200A1

American Precision Industries, Inc Div Portescap Us · FSC 5990 — Synchros and Resolvers · FSG 59 — Electrical and Electronic Equipment Components · CAGE 06989

GOVERNMENT RECORD, CITED

NSN 5990-00-059-3308 — this item is cataloged by the U.S. Government under National Stock Number 5990-00-059-3308. Manufacturer of record part number: 8TX200A1.

ALSO SEARCHED AS 5990-00-059-3308 · 59900000593308 · NIIN 000593308 · 00-059-3308 · FSC 5990 Synchros and Resolvers · CAGE 06989 · 8TX200A1 · 900141-87 · BGC8LN1L131 · 900141-0087

NEARBY STOCK NUMBERS ← 5990-00-059-3114 Synchro, Transmitter · 5990-00-059-3449 Synchro, Transmitter →

FEATURES

- Synchro,transmitter — FSC 5990
- Body Size: 8
- Shaft Type: ROUND, SLOTTED SINGLE SHAFT
- Flange Diameter: 0.7450 INCHES MINIMUM AND 0.7550 INCHES MAXIMUM IN
- Undercut Width: 0.0570 INCHES MINIMUM IN
- Shaft Diameter: 0.1197 INCHES MINIMUM AND 0.1200 INCHES MAXIMUM SINGLE SHAFT IN
- Rotor DC Resistance in Ohms: 24.00 NOMINAL
- Undercut Diameter: 0.7000 INCHES MAXIMUM IN

IDENTIFICATION

- NSN: 5990-00-059-3308
- NIIN: 000593308
- FSC: 5990 — Synchros and Resolvers
- FSG: 59 — Electrical and Electronic Equipment Components
- Primary part number: 8TX200A1
- Manufacturer: American Precision Industries, Inc Div Portescap Us

GENERAL DESCRIPTION

The Synchro,transmitter, cataloged under National Stock Number 5990-00-059-3308, is classified within Federal Supply Class 5990 (Synchros and Resolvers) of the Electrical and Electronic Equipment Components group. The manufacturer of record is American Precision Industries, Inc Div Portescap Us. 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through both NSN and commercial part number lookups. 3 additional reference documents (drawings, advisory and superseded references) are recorded in the U.S. Government catalog.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	5990-00-059-3308
Primary Part Number	8TX200A1
Item Name	Synchro,transmitter
FSC / FSG	5990 / 59 — Synchros and Resolvers
Manufacturer	American Precision Industries, Inc Div Portescap Us
Status	ACTIVE
Body Size	8
Shaft Type	ROUND, SLOTTED SINGLE SHAFT

PARAMETER	VALUE
Flange Diameter	0.7450 INCHES MINIMUM AND 0.7550 INCHES MAXIMUM IN
Undercut Width	0.0570 INCHES MINIMUM IN
Shaft Diameter	0.1197 INCHES MINIMUM AND 0.1200 INCHES MAXIMUM SINGLE SHAFT IN
Rotor DC Resistance in Ohms	24.00 NOMINAL
Undercut Diameter	0.7000 INCHES MAXIMUM IN
Fragility Factor	MODERATELY RUGGED
Body Style	STANDARD ROUND A
Flange Thickness	0.0620 INCHES NOMINAL IN
Torque Gradient Per Angular Deg	0.034 INCH-OUNCES MINIMUM IN
Rotor Input Electrical Power Rating	1.0 WATTS NOMINAL
Phase Shift Angle in Deg	11.500 INPUT TO OUTPUT NOMINAL
Mounting Surface to Terminal End Distance	1.3700 INCHES MAXIMUM IN
Frequency in Hertz	400.0 NOMINAL
Zro Resistance in Ohms	32.00 NOMINAL
Plus J Zso Reactance in Ohms	26.20 NOMINAL
Zrs Resistance in Ohms	55.00 NOMINAL
Terminal Location	REAR
Rotor Input Voltage Rating in Volts	26.0 NOMINAL
Shaft Length	0.4570 INCHES MINIMUM AND 0.4850 INCHES MAXIMUM SINGLE SHAFT IN
Body Material	STEEL CORROSION RESISTING
Pilot Diameter	0.4995 INCHES MINIMUM AND 0.5000 INCHES MAXIMUM IN
Maximum Fundamental Null Voltage in Millivolts Per Volt	20.00 OUTPUT
Maximum Total Null Voltage Output in Millivolts Per Volt	30.00
Shaft Slot Width	0.0150 INCHES MINIMUM AND 0.0350 INCHES MAXIMUM SINGLE SHAFT IN
Plus J Zro Reactance in Ohms	150.00 NOMINAL
Transformation Ratio	0.454 STATOR TO ROTOR NOMINAL
Pilot Length	0.0430 INCHES NOMINAL IN

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
8TX200A1 PRIMARY	American Precision Industries, Inc Div Portescap Us (USA)

REFERENCE	MEANING
900141-87	5/9 Secondary reference Northrop Grumman Systems Corporation Db a Northrop Grumman Systems Corp
BGC8LN1L131	3/2 Design control – primary reference U.S. Government activity

REFERENCE	MEANING
900141-0087	7/2 Vendor item drawing reference Northrop Grumman Systems Corporation DbA Northrop Grumman Systems Corp

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 5990-00-059-3308?

NSN 5990-00-059-3308 is a Synchro,transmitter, manufactured by American Precision Industries, Inc Div Portescap Us, classified under FSC 5990, Synchros and Resolvers. Status: active.

What part numbers are listed for NSN 5990-00-059-3308?

NSN 5990-00-059-3308 has 1 manufacturer part number on file: 8TX200A1 (American Precision Industries, Inc Div Portescap Us).

What are the specifications of 8TX200A1?

Key specifications for 8TX200A1: Body Size: 8; Shaft Type: ROUND, SLOTTED SINGLE SHAFT; Flange Diameter: 0.7450 INCHES MINIMUM AND 0.7550 INCHES MAXIMUM IN; Undercut Width: 0.0570 INCHES MINIMUM IN. 29 specifications are documented in the U.S. Government catalog.

Is NSN 5990-00-059-3308 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/5990-00-059-3308


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


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