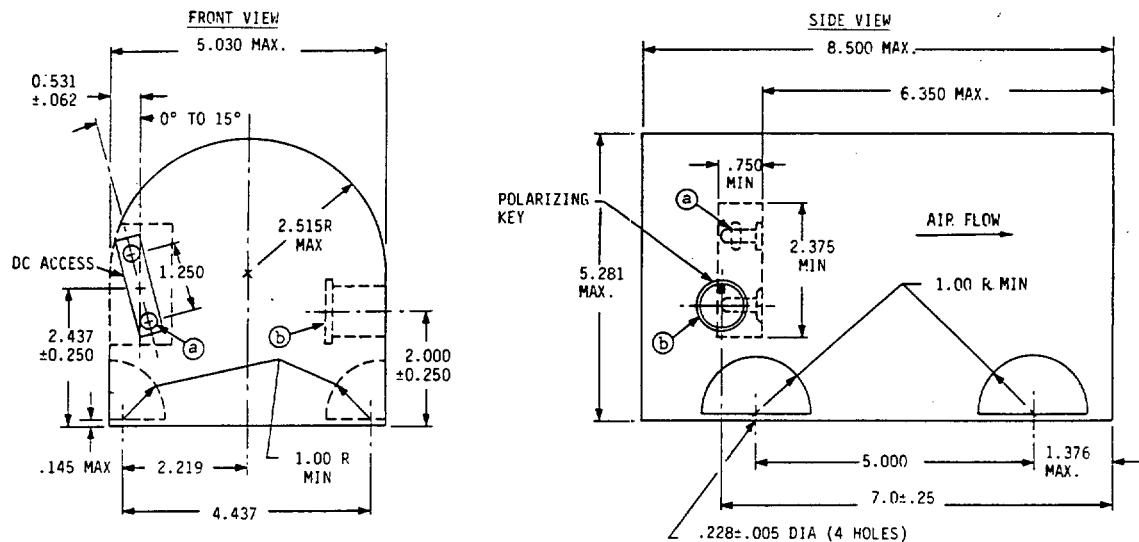


FED. SUP CLASS
6130

USER SYMBOLS:

REVIEWER SYMBOLS:



- (a) 1/4 - 28 UNF-3A TERMINAL STUDS - 9/16 INCH (MIN.) TO SHOULDER (2 REQ'D)
 (b) RECEPTACLE AS INDICATED FOR EACH MS PART NO.

AC INPUT:
 VOLTAGE RANGE 112.5-117.5 VOLTS
 FREQUENCY RANGE 380-420 HERTZ

DC OUTPUT:
 VOLTAGE SEE FIGURE 2
 MAXIMUM LOAD CURRENT 100 AMPERES
 MINIMUM LOAD CURRENT 1.0 AMPERES
 WEIGHT (LBS) 9.75 (MAX)

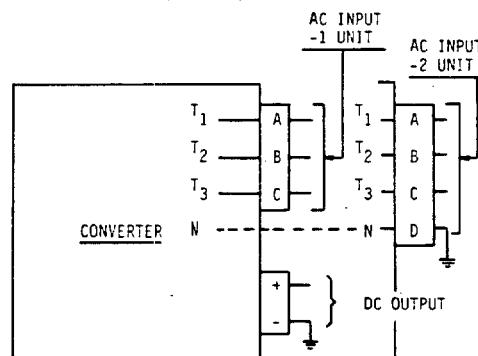


FIGURE 1. CONNECTION DIAGRAM.

MS PART NO.
MS17976-1 WITH RECEPTACLE TO FIT PLUG MS3106R-18-22S OR MS3459W-18-22S
MS17976-2 WITH RECEPTACLE TO FIT PLUG MS3106R-18-4S OR MS3459W-18-4S

(F) ENTIRE STANDARD REVISED

P.A.
NAVY - AS
Other Cust

TITLE

CONVERTER, 100 AMPERE, CLASS C
NONREGULATED, AIRCRAFT, FAN COOLED

MILITARY STANDARD

MS17976(AS)

PROCUREMENT SPECIFICATION
MIL-C-7115

SUPERSEDES:

SHEET

OF

1

3

DD FORM 1 MAR 72 672-1 (LIMITED COORDINATION)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PROJECT NO. 6130-N281

PLATE NO. 20000

Review/User information is current as of the date of this document.
 For future coordination of changes to this document, draft circulation
 should be based on the information in the Current DODISS.

AMSC N/A
 DISTRIBUTION STATEMENT A: APPROVED FOR PUBLIC RELEASE. DISTRIBUTION IS UNLIMITED.
 This military standard is approved by NAVAL AIR SYSTEMS COMMAND,
 Department of the Navy and shall be used by that activity. All other
 military activities are required to employ this standard where suitable.

APPROVED 20 NOVEMBER 1962 REVISED 30 SEPT 1988

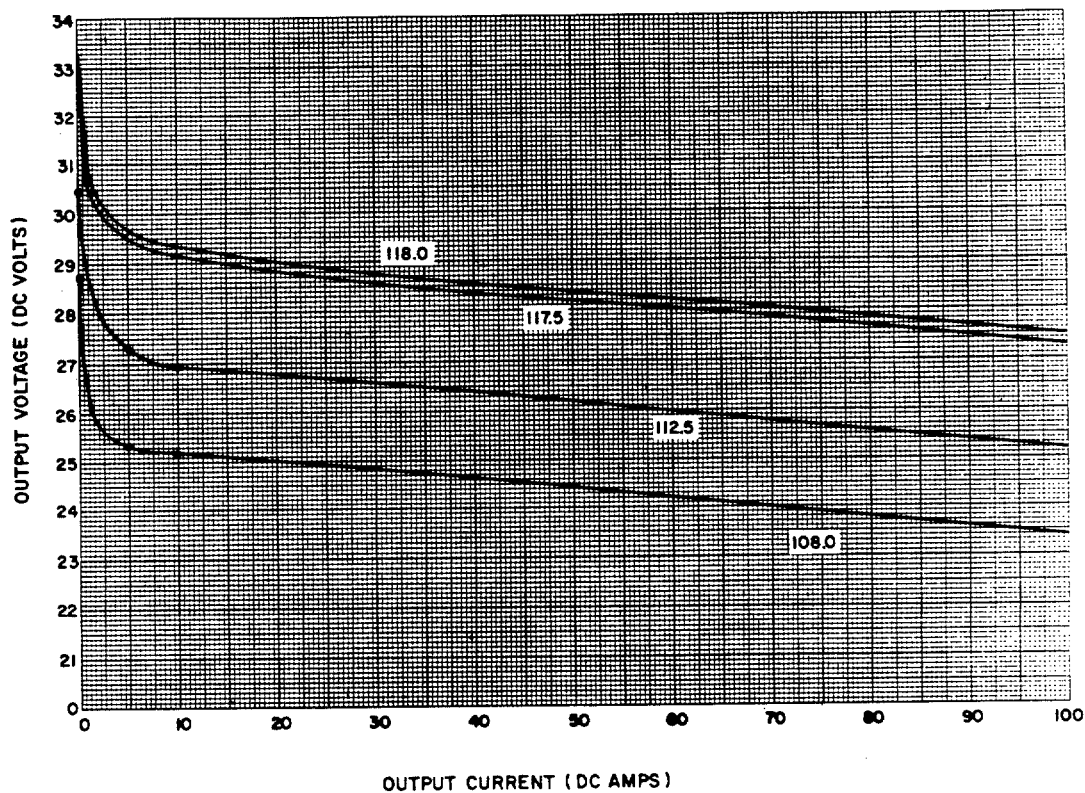
FED. SUP CLASS
6130

USER SYMBOLS:

REVIEWER SYMBOLS:

"Review/user information is current as of the date of this document.
For future coordination of changes to this document, draft circulation
should be based on the information in the current DODISS."

AMSC N/A
DISTRIBUTION STATEMENT A: APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.
This military standard is approved by NAVAL AIR SYSTEMS COMMAND,
Department of the Navy and shall be used by that activity. All other
military activities are required to employ this standard where suitable.



INPUT		108.0 VRMS	112.5 VRMS	117.5 VRMS	118.0 VRMS
OUTPUT	AMPS DC	MIN. VDC	MIN. VDC	MAX. VDC	MAX. VDC
	*0.0	28.8	30.5	33.0	33.3
	1.0	26.2	28.0	30.4	30.6
	5.0	25.4	27.2	29.5	29.7
	10.0	25.2	27.0	29.2	29.4
	25.0	24.9	26.7	28.7	28.9
	50.0	24.4	26.2	28.2	28.4
	75.0	23.9	25.7	27.8	28.0
	100.0	23.4	25.2	27.3	27.5

FIGURE 2 - OUTPUT VOLTAGE LIMITS.

* ZERO LOAD READINGS FOR INFORMATION ONLY.

APPROVED 20 NOVEMBER 1962 REVISED FOR CHANGES SEE SHEETS 1, 2 AND 3

P.A.
NAVY - AS
Other Cust

TITLE

CONVERTER, 100 AMPERE, CLASS C
NONREGULATED, AIRCRAFT, FAN COOLED

MILITARY STANDARD

MS17976(AS)

PROCUREMENT SPECIFICATION

SUPERSEDES:

MIL-C-7115

SHEET

OF

2

3

DD FORM 672-1 (LIMITED COORDINATION)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PLATE NO. 23005

FED. SUP CLASS
6130

REQUIREMENTS:

THE CONVERTER SHALL MEET THE REQUIREMENTS OF MIL-C-7115 AS MODIFIED BELOW: (PARAGRAPH NUMBERS REFER TO MIL-C-7115)

3.4.1.3.3 COLOR. DELETE "COLOR NUMBER 17875 (WHITE)" OF FIRST SENTENCE AND ADD "COLOR NUMBER 37038 (BLACK)."

3.7.1.2.3 OUTPUT STARTING VOLTAGE. ADD TO SECOND SENTENCE: " EXCEPT FOR THE FIRST 3 MILLISECONDS FROM THE ONSET OF THE TRANSIENT, WHEN A MAXIMUM VOLTAGE OF 45 VOLTS SHALL BE ALLOWED."

3.7.1.4.2 TYPE II, NONREGULATED CONVERTERS. ADD: EXCEPT THE CONDUCTED EMISSIONS REQUIREMENTS OF CE-03, MIL-STD-461 SHALL BE RELAXED 15 AND 25 db, RESPECTIVELY FOR THE POSITIVE AND NEGATIVE LEADS FROM 150 _Hz TO 1.0 MHz."

3.7.1.5 ACOUSTICAL NOISE. NOT APPLICABLE.

3.7.2.2 ACCELERATION. NOT APPLICABLE.

3.7.2.9 EXPLOSIVE ATMOSPHERE. NOT APPLICABLE.

4.7.2.2.3 VOLTAGE REGULATION AT MINIMUM TEMPERATURE-ALTITUDE CONDITIONS. DELETE "-30°C" AND REPLACE WITH "-55°C".

4.7.2.10 OVERLOAD AND SHORT CIRCUIT CAPACITY. ADD TO FIRST SENTENCE: EXCEPT THAT THE MAXIMUM AMBIENT TEMPERATURE SHALL NOT EXCEED 85°C."

4.7.2.15 ACOUSTICAL NOISE. NOT APPLICABLE.

4.7.2.18 ACCELERATION. NOT APPLICABLE.

4.7.2.25 EXPLOSIVE ATMOSPHERE. NOT APPLICABLE.

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. THE COMPLETE REQUIREMENTS FOR PROCURING THE CONVERTER DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF MIL-C-7115.
3. MS17976-2 SUPERSEDES MS17976-1. FOR NEW APPLICATIONS USE PART NO. MS17976-2 ONLY.

"Review/user information is current as of the date of this document. For future coordination of changes to this document, draft circulation should be based on the information in the current DODISS."

AMSC N/A
DISTRIBUTION STATEMENT A: APPROVED FOR PUBLIC RELEASE. DISTRIBUTION IS UNLIMITED.
This military standard is approved by NAVAL AIR SYSTEMS COMMAND, Department of the Navy and shall be used by that activity. All other military activities are required to employ this standard where suitable.

P.A. NAVY - AS Other Cust	TITLE CONVERTER, 100 AMPERE, CLASS C NONREGULATED, AIRCRAFT, FAN COOLED	MILITARY STANDARD MS17976(AS)
PROCUREMENT SPECIFICATION MIL-C-7115	SUPERSEDES:	SHEET 3 OF 3