

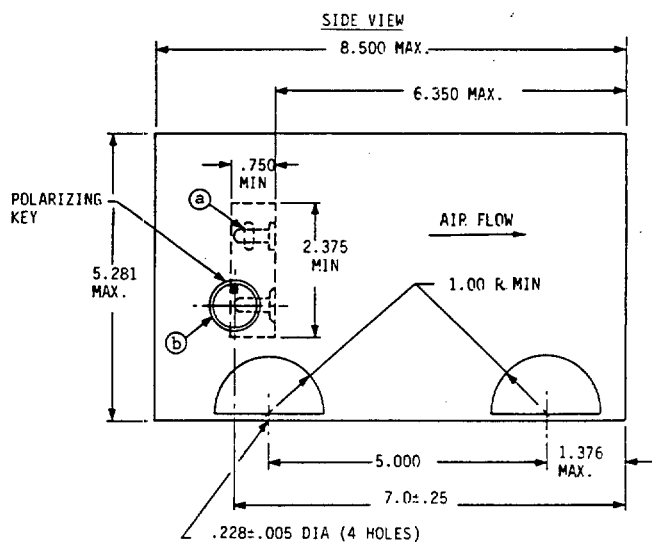
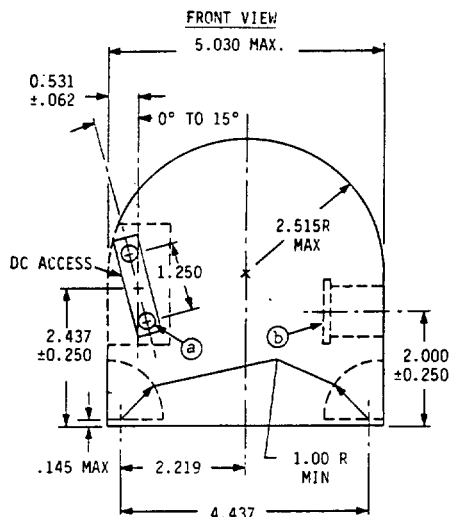
FED. SUP CLASS  
6130

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- (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)

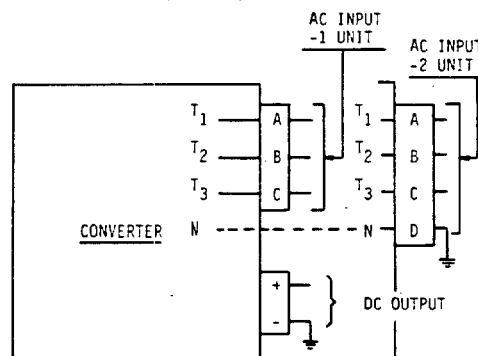


FIGURE 1. CONNECTION DIAGRAM.

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 OF 3

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

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PROJECT NO. 6130-N281

PLATE NO. 20000

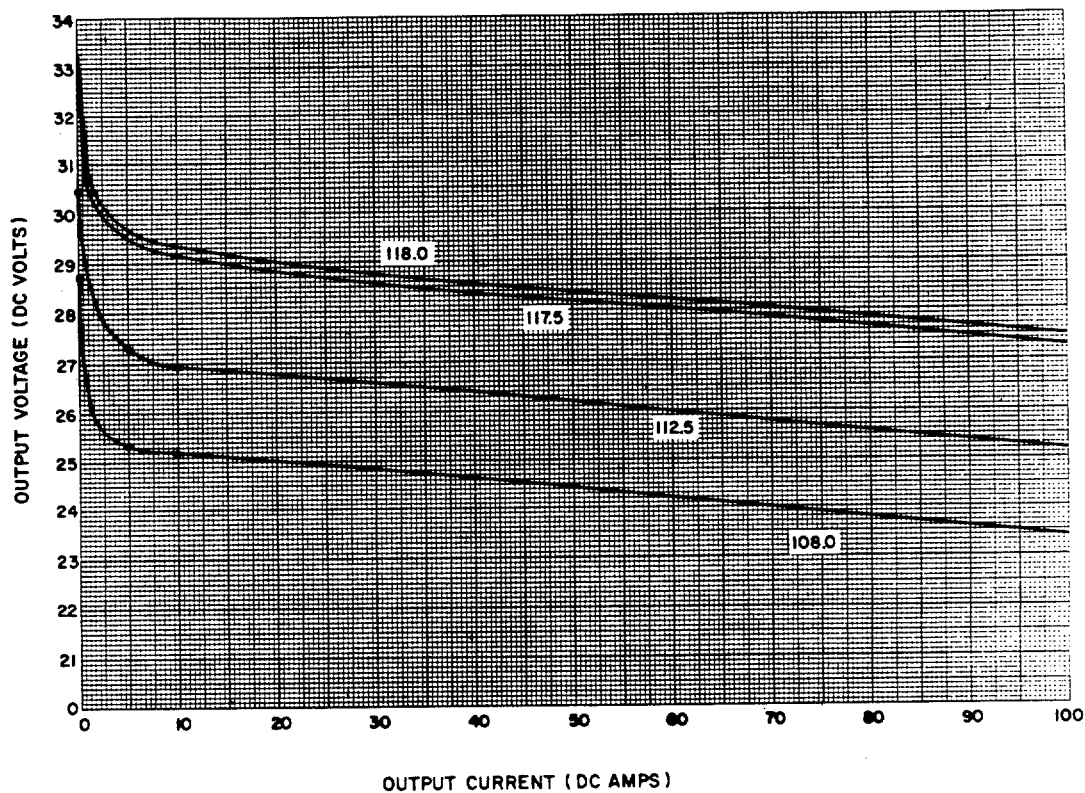
APPROVED 20 NOVEMBER 1962 REVISED 30 SEPT 1988

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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.

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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

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

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.

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