

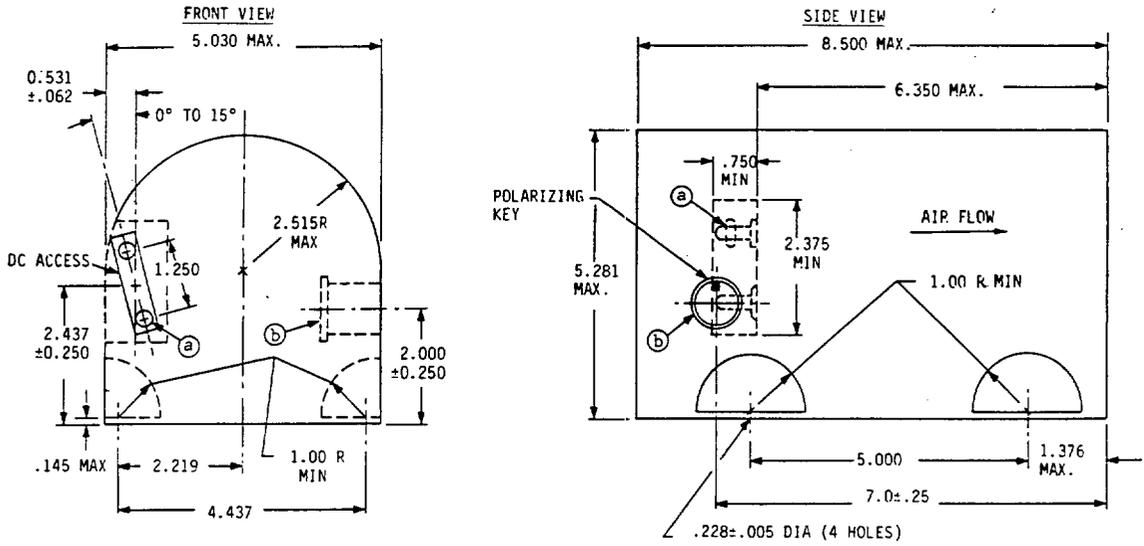
FED. SUP CLASS
6130

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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)

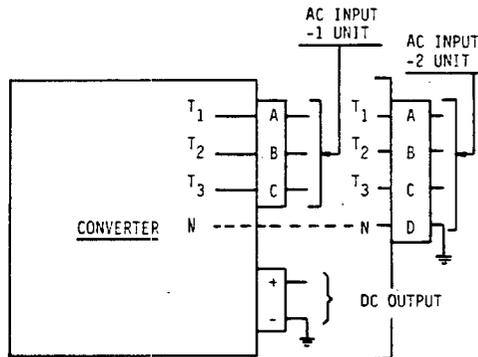


FIGURE 1. CONNECTION DIAGRAM.

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	3

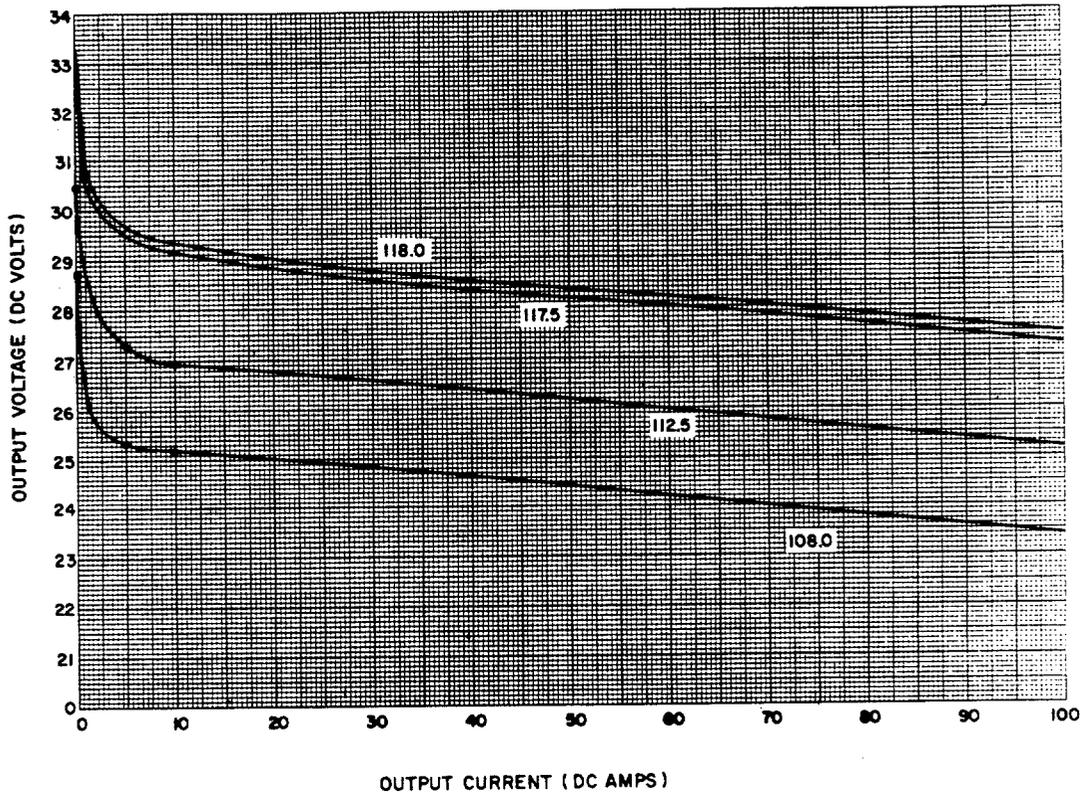
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INPUT		108.0 VRMS	112.5 VRMS	117.5 VRMS	118.0 VRMS
OUTPUT	AMPS DC	MIN. VDC	MIN. VDC	MAX. VDC	MAX. VDC
	*0.0	28.8	30.5	33.0	33.3
	1.0	26.2	28.0	30.4	30.6
	5.0	25.4	27.2	29.5	29.7
	10.0	25.2	27.0	29.2	29.4
	25.0	24.9	26.7	28.7	28.9
	50.0	24.4	26.2	28.2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

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

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		2	3

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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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PROCUREMENT SPECIFICATION MIL-C-7115	SUPERSEDES:	SHEET	OF
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