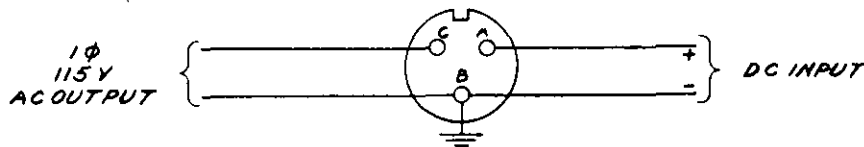
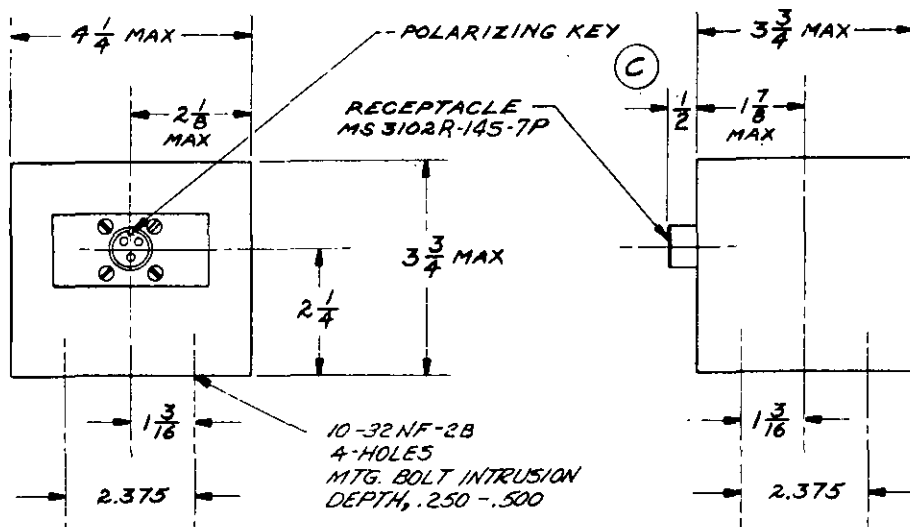


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FED. SUP CLASS  
6225

CONNECTION DIAGRAM

DETAIL REQUIREMENTS	
INPUT: VOLTS, DC	27.5
OUTPUT: VOLTS, AC	115
VA TO 60,000 FT	30
PF - MIN LAG, PERCENT	.75
PHASES	1
MIN EFFICIENCY, PERCENT AT FULL LOAD 0.75 PF, 1.0 PF	54
	65
MAX WEIGHT, POUNDS	4.3

CONDITIONS	LIMITS - OUTPUT	
	VOLTAGE	FREQ (CPS)
INPUT VOLTAGE VARIED BETWEEN 26.0 AND 29.0V - LOAD VARIED FROM ZERO TO FULL LOAD - LOAD POWER FACTOR VARIED FROM 0.75 LAG TO UNITY AMBIENT TEMPERATURE-ALTITUDE OF -55° TO +85° C AT SEA LEVEL AND VARIED WITHIN THE RANGE ESTABLISHED BY CURVE I OF MS33543. THE UNIT SHALL DELIVER RATED POWER TO 60,000 FT. ALL VARIATIONS ABOVE EXCEPT WITH THE INPUT VOLTAGE WHICH MAY BE VARIED BETWEEN 18 AND 26V.	115 ±2.5	400 ±20
	105	400 ±20

FOR OVERLOADS IN EXCESS OF 150% OR FOR SHORT-CIRCUIT CURRENTS, THE INVERTER SHALL BE SELF-PROTECTIVE AND SHALL ASSUME NORMAL OPERATION AFTER THE FAULT IS CLEARED.

THE TOTAL HARMONIC CONTENT OF THE WAVE FORM SHALL NOT EXCEED 5%.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: FRACTIONS ±1/16, DECIMALS ±.010.

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

① Canceled with No superseding standard

P.A. Air Force - //	TITLE INVERTER, POWER, STATIC ECU-16/A	MILITARY STANDARD
Other Cust		MS 27260 (USAF)
PROCUREMENT SPECIFICATION MIL-I-27273	SUPERSEDES:	SHEET 1 OF 1