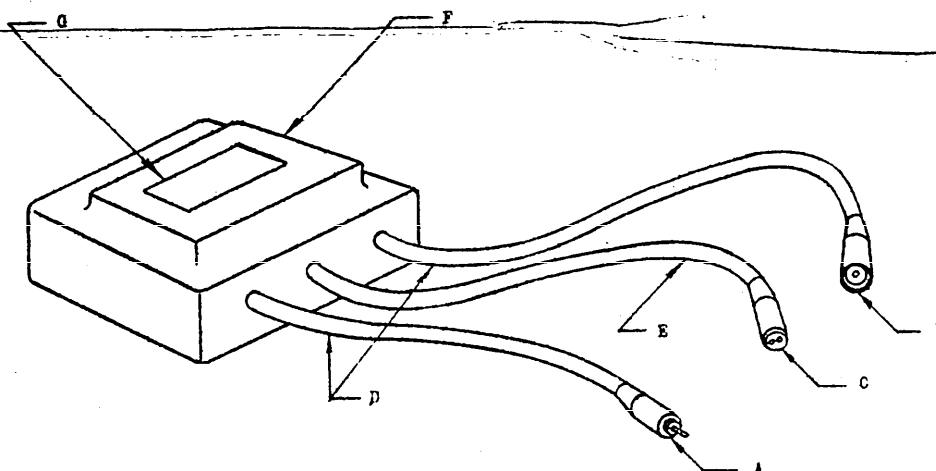


FED. SUP CLASS  
5950

## ELECTRICAL CHARACTERISTICS

PRI AMP	PRI PWR FACTOR MIN %	EFFICIENCY MIN %	MAX SEC VOLTS RMS	SECONDARY AMPS		LOAD
				(B)	(B)	
20	95	80		6.53-6.67	1.1 OHMS	(a)
20	94	78		6.53-6.67	0.8 OHMS (30W LAMP TYPE LOADS)	
20				6.6-7.1	SHORT CIRCUITED	
20			25	0	OPEN CIRCUITED	
15.8				5.1-5.4	0.9 OHMS	(a)
12.4				4.0-4.3	0.7 OHMS	(a)
10.3				3.3-3.6	0.6 OHMS	(a)
8.5				2.7-3.0	0.5 OHMS	(a)

(a) THE LOAD MAY BE EITHER A 15W, 6.6A LAMP OR THE OHMIC RESISTANCE SPECIFIED.

A PLUG FIGURE 6a FAA SPECIFICATION L-823.

B RECEPTACLE FIGURE 6b FAA SPECIFICATION L-823.

C RECEPTACLE FIGURE 1c FAA SPECIFICATION L-823.

D PRIMARY CABLE.

E SECONDARY CABLE.

F CASE.

G IDENTIFICATION MARKING (LOCATION OPTIONAL).

PART NO.	LEAD LENGTH INCHES	
	D	E
MS27137-1	30 ±3	54 ±3

IN COMPUTING EFFICIENCY, CORRECTION SHALL BE MADE FOR LEAD LOSSES.

MAXIMUM WEIGHT 10 POUNDS.

DIMENSIONS IN INCHES.

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.P.A. USAF - 11  
Other Cust  
Navy - WP

TITLE

TRANSFORMER, POWER, ISOLATION AIRPORT LIGHTING,  
30-45A/20A/6.6A/5000V

MILITARY STANDARD

MS27137(ASG)

PROCUREMENT SPECIFICATION SUPERSEDES: MS27137(USAF)

SHEET 1 OF 1

APPROVED 1 JUL 63 REVISED 15 MAY 64 B 18 AUG 65

Review activities:  
USAF - 85,11  
Navy - WPThis standard has been approved by the SEC (Department of the Air Force) and the  
Department of the Navy and is mandatory for use by  
activity. All other military activities are required  
to employ this standard where suitable.