

TABLE I

Requirement	Value	Unit	Tolerance
Frequency	400	Hz	+1%
Primary Voltage	115	volts	+1%
Primary Current	1650	milliamps	maximum
Primary Power	14.4	watts	maximum
Impedance: Z _{ss}	2.5-5.5	ohms	min.-max.
Impedance Angle: Z _{ss}	60-75	degrees	min.-max.
Transformation Ratio	0.783	-----	+2%
Phase Shift	2.0(lead)	degrees	maximum
Receiver Error	36.0	minutes	maximum
Electrical Error	8.0	minutes	maximum
Null Voltage: Total	170	millivolts	maximum
Fundamental	35.0	millivolts	maximum
Synchronizing Time 30° +2°	1.0	seconds	maximum
Synchronizing Time 177° +2°	2.0	seconds	maximum
Torque Gradient	0.67	ounce-inches per degree	minimum
Radial Play	0.0008	inches	maximum
End Play	0.0030	inches	+0.0020
Temperature Rise	60.0	degrees (C)	maximum
Variation of Voltage (+10%) and Freq. (-5%)	27.0	watts	maximum

This unit shall not be subjected to the altitude requirements of MIL-S-20708.

Part number: M20708/62C plus applicable dash number from Table II.

TABLE II.

DASH NO.	SHAFT DIAMETER	SHAFT STYLE	TERMINAL END	L' DIMENSION TO STOP ON SHAFT	L REFERENCE FREE SHAFT LENGTH
*-001	.2405	Splined	Terminal Board	.700 + .010	.730 + .010

*Dash number -001 shall be the NATO Standard.

Custodians: Review Activities: User Activities: Preparing Activity:
 Navy-AS Navy-SH,OS Marine Corp. MC Navy-OS
 U.S. Coast Guard-CG Project No. 5990-N-035

SPECIFICATION ANALYSIS SHEET

Form Approved
Budget Bureau No. 119-R004

INSTRUCTIONS

This sheet is to be filled out by personnel either Government or contractor, involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. This sheet is provided for obtaining information on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fold on lines on reverse side, staple in corner, and send to preparing activity (as indicated on reverse hereof).

SPECIFICATION
MIL-S-20708/62D(OS) Synchro Torque Receiver Transmitter, Type 31TRX/1a

ORGANIZATION (of submitter)

CITY AND STATE

CONTRACT NO.

QUANTITY OF ITEMS PROCURED

DOLLAR AMOUNT

\$

MATERIAL PROCURED UNDER A

DIRECT GOVERNMENT CONTRACT

SUBCONTRACT

1. HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?
A. GIVE PARAGRAPH NUMBER AND WORDING.

B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES.

2. COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID

3. IS THE SPECIFICATION RESTRICTIVE?

YES NO IF "YES", IN WHAT WAY?

4. REMARKS (Attach any pertinent data which may be of use in improving this specification. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity)

SUBMITTED BY (Printed or typed name and activity)

DATE

FOLD

DEPARTMENT OF THE NAVY

Naval Ordnance Systems Command
Washington, D.C. 20360

POSTAGE AND FEES PAID
NAVY DEPARTMENT

OFFICIAL BUSINESS

NAVAL ORDNANCE SYSTEMS COMMAND (ORD-05223)
DEPARTMENT OF THE NAVY
WASHINGTON, D. C. 20360

FOLD