

Synchro, Control Differential Transmitter, Type 15CDX4D

FSC 5990

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**SAE AS20708/16**

This specification is approved for use by all Departments and Agencies of the Department of Defense. The requirements for acquiring the Synchros described herein shall consist of this specification and the latest issue of MIL-S-20708.

TABLE I. Requirements.

Requirement	Value	Unit	Tolerance
Frequency	400	Hz	±1%
Primary Voltage	78	volts	±1%
Primary Current	90.0	milliamps	maximum
Primary Power	1.1	watts	maximum
Impedance:			
Z <sub>so</sub>	870-1150	ohms	min.-max.
Z <sub>rs</sub>	195-290	ohms	min.-max.
Impedance Angle:			
Z <sub>so</sub>	79.0-85.0	degrees	min.-max.
Z <sub>rs</sub>	27.0-37.0	degrees	min.-max.
Transformation Ratio	1.154	-----	±2%
Phase Shift (Lead)	5.5	degrees	±2.0
Electrical Error	6.0	minutes	maximum
Null Voltage:			
Total	60.0	millivolts	maximum
Fundamental	32.0	millivolts	maximum
Friction Torque	0.07	ounce-inches	maximum
Radial Play	0.0006	inches	maximum
End Play	0.0010	inches	±0.0005
Temperature Rise	20.0	degrees (C)	maximum