

Synchro, Control Transmitter, Type 15CX4D

FSC 5990

RATIONALE

This Revision consists of a 5 (five) year review, which provides updates to current format and references

NOTICE

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 AS20708.

TABLE 1 – REQUIREMENTS

REQUIREMENT	VALUE	UNIT	TOLERANCE
Frequency	400	Hz	± 1 %
Primary Voltage	115	Volts	± 1 %
Primary Current	85.0	Milliamps	Maximum
Primary Power	1.2	Watts	Maximum
Impedance:			
Zro	1402 – 1643	Ohms	Min. – Max.
Zss	123 – 138	Ohms	Min. – Max.
Impedance Angle:			
Zro	81.4 - 84.6	Degrees	Min. – Max.
Zss	26.5 - 31.5	Degrees	Min. – Max.
Transformation Ratio	0.783	-----	± 2 %
Phase Shift (Lead)	4.0	Degrees	± 1.5
Electrical Error	6.0	Minutes	Maximum
Null Voltage:			
Total	60.0	Millivolts	Maximum
Fundamental	32.0	Millivolts	Maximum
Friction Torque	0.05	Ounce – Inches	Maximum
Radial Play	0.0006	Inches	Maximum
End Play	0.0010	Inches	± 0.0005
Temperature Rise	20.0	Degrees - C	Maximum

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

Copyright © 2011 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Tel: +1 724-776-4970 (outside USA)
Fax: 724-776-0790
Email: CustomerService@sae.org
SAE WEB ADDRESS: <http://www.sae.org>

**SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS20708/14A>**