

(R) Synchro, Control Transmitter, Type 15CX6C

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 SAE AS20708.

TABLE 1 – REQUIREMENTS

REQUIREMENT	VALUE	UNIT	TOLERANCE
Frequency	60	Hz	± 1 %
Primary Voltage	115	Volts	± 1 %
Primary Current	22.0	Milliamps	Maximum
Primary Power	0.43	Watts	Maximum
Impedance:			
Zro	5335 – 6265	Ohms	Min. – Max.
Zss	675 – 825	Ohms	Min. – Max.
Impedance Angle:			
Zro	80.0 - 83.0	Degrees	Min. – Max.
Zss	11.0 - 16.0	Degrees	Min. – Max.
Transformation Ratio	0.783	-----	± 2 %
Phase Shift (Lead)	7.0	Degrees	± 1.5
Electrical Error	6.0	Minutes	Maximum
Null Voltage:			
Total	90.0	Millivolts	Maximum
Fundamental	45.0	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
http://www.sae.org

SAE WEB ADDRESS:

SAE values your input. To provide feedback on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS20708/20A>