

DATE Nov. 23/67

SH. \_\_\_\_\_ OF \_\_\_\_\_

COMPILED BY

J. X. [Signature]

## TMC SPECIFICATION NO. S 10165

TITLE: PRODUCTION CONTROL INSPECTION FOR EIGHT

JOB

APPROVED

[Signature] OUTPUT MULTICOUPLERS

References: (1) MIL-E-16400D (NAVY) para 4.4.3  
 (2) SHIPS-C-4297

Production control inspection for eight-output multicouplers shall include the following tests:

<u>Subject</u>	<u>Reference</u>	<u>Paragraph</u>	<u>TMC Specification</u>
Weights and dimensions	(1)	4.5.3	S10166-12
Supply line voltage and frequency	(1)	4.5.4	S10166-13
Heat test	(1)	4.5.6	S10166-15
Power	(1)	4.5.10	S10166-19
Controls and control circuits	(1)	4.5.13	S10166-22
Reliability	(1)	4.5.18 (amended by RCA Victor A1815402 para 3.4)	S10166-24

In addition, the following tests required by SHIPS-C-4297 shall be included:

Input and output impedance	(2)	3.2.4 (amended by RCA Victor A1815402 para 3.1)	S10166-2
Input filter	(2)	3.3.1	S10166-3
Gain (for each output)	(2)	3.3.2 @ 2.5, 8, 16 28 MHz)	S10166-4
Overload	(2)	3.3.3	S10166-5
Radiation	(2)	3.3.4	S10166-6
Cross-talk isolation	(2)	3.3.5	S10166-7
Spurious responses	(2)	3.3.6	S10166-8
Noise figure	(2)	3.3.7	S10166-9
Power input filter	(2)	3.3.8	S10166-10
Phase shift (single coupler)	(2)	3.3.9	S10166-11