

DATE Nov. 23/67

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

COMPILED BY

*L.R.J.*

# TMC SPECIFICATION NO. S 10168

TITLE: PRODUCTION INSPECTION TESTS FOR THIRTY-TWO

JOB

APPROVED

OUTPUT MULTICOUPLERS

- References: (1) MIL-E-16400D (NAVY) para 4.4.2  
 (2) SHIPS-C-4297

Production inspection for thirty-two output multicouplers shall include the following tests:

<u>Subject</u>	<u>Reference</u>	<u>Paragraph</u>	<u>TMC Specification</u>
Surface examination	(1)	4.5.1	S10166-1
Operating test	(1)	4.5.2 (as specified by SHIPS-C-4297 para 4.4.1 operating test shall include the following:	
Gain (for each output)	(2)	3.3.2	S10166-4
Cross-talk isolation	(2)	3.3.5	S10166-7
Spurious responses	(2)	3.3.6	S10166-8
Phase shift (single coupler)	(2)	3.3.9 (not required as per RCA Victor A1815403 para 3.8)	
Phase shift (comparison to Standard)	(2)	3.3.9.1 (not required as per RCA Victor A1815403 para 3.8)	

DATE Nov. 23/67

TMC

SPECIFICATION NO. S 10168

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

COMPILED BY

TITLE: PRODUCTION INSPECTION TESTS FOR THIRTY-TWO

JOB

APPROVED

OUTPUT MULTICOUPLERS

ERRATA

SPURIOUS RESPONSE - S10166-8

Reference (2) add "as amended by RCA Victor A1815403

para 3.9 "3.3.6 Spurious responses" line 4 change 70 db

to read 65 db.

DATE \_\_\_\_\_

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

COMPILED BY \_\_\_\_\_

# TMC SPECIFICATION NO. S 10168

TITLE: PROBUCTION INSPECTION FOR THIRTY-TWO OUTPUT

JOB \_\_\_\_\_

APPROVED \_\_\_\_\_

MULTICOUPLERS

### TEST RESULTS

S10166-1 Surface examination: examination \_\_\_\_\_

S10166-4 Voltage gain: \_\_\_\_\_  
\_\_\_\_\_

S10166-7 Crosstalk isolation: 40db attenuation minimum \_\_\_\_\_

S10166-8 Spurious responses: \_\_\_\_\_  
\_\_\_\_\_