

RHOMBIC ANTENNA COUPLER

MODEL RAC1-7A REV E

TITLE

USED ON  
MODEL SECTION

LIST SECTIONS

1. SUPPORTING NOTES
2. SUPPORTING LISTS
3. ELECTRICAL/MECHANICAL
4. SUPP ASSY/REF DWGS
5. SPECIFICATIONS
6. LOOSE ITEMS
7. PARTS PECULIAR

SHEET NO.

NONE REQ.  
NONE REQ.  
1  
1  
1  
1  
NONE REQ.

LAST SYMBOLS  
NONE

COMPILED J. SABATINO  
CHECKED J. SABATINO  
APPROVED I. JOHNSON  
FNL APPR *L. Gabriel*  
ISS DATE 5-28-64

MISSING SYMBOLS  
NONE

NOTE #1. THE FOLLOWING  
SYMBOL, #, IN THE REMARKS  
COLUMN INDICATES THAT THE  
PART NUMBER IMMEDIATELY  
FOLLOWING IT IS THE TMC  
PROPRIETARY MANUFACTURING  
DRAWING FOR THE CORRES-  
PONDING NUMBER IN THE PART  
NUMBER COLUMN.

NOTE#2. THIS MODEL  
SHOULD BE USED IN  
CONJUNCTION WITH A  
SUFFIX DENOTING THE  
TYPE OF OUTPUT  
TERMINATION REQUIRED.  
EXAMPLE: RAC-7A/AX281-2

TMC (Canada) LIMITED  
OTTAWA, ONTARIO

**BILL OF MATERIAL**

REPLACEMENT PARTS

MODEL RAC-7A

PROJ. NO.

LIST NO. ML-10033

SHEET 1 OF 2 SHEETS

ISSUE

TMC PART NO.

QUAN. PER ONE EQUIP.

DESCRIPTION

REMARKS

1. TR-069

ANTENNA COUPLER, TMC MODEL RAC-7A

TRANSFORMER: coupling; impedance matching; 600 ohms to 70 ohms, potted in rectangular steel case, 3" x 2 1/4" x 2 1/8" overall, with 4 lug terminals on end opposite mounting end.

2. A-102

INSULATOR ASSEMBLY: steatite; feed through type; consists of two insulating pillars, with 1/4-20 brass nickel plated threaded rod centre section and 1/4-20 x 1/2" hex brass nut, nickel plated outside end, 1/4-20 x 5/16" cap nut, brass, nickel plated, 5 5/8" long overall. (Drawing for spare part purpose only)

3. PM-106

CASE: Antenna Coupler; cast aluminum; grey enamel; 11 1/2" lg. x 9" wd. x 4 3/4" high overall; four mounting holes 33/64" dia. on 7 3/4" x 10 1/4" mounting centres.

4. PM-105

COVER: Antenna Coupler; cast aluminum; grey enamel; 10 1/4" lg. x 9" wd. x 1 1/2" high; two mounting holes 5/16" dia. and two mounting slots (5/16" x 5/8") on 5 1/2" x 10 1/4" mounting centres.

5.

FLANGE: Antenna Coupler; aluminum; 3" lg. x 3" wd. x 1 1/8" high overall; male 2 1/8"-16 x 1/2" thread; with 1.131 hole through centre; four mounting holes 9/32" dia. on 2 1/8" x 2 1/8" mounting centres.

↑ APPLICABLE SPECIFICATIONS, LAST PAGE ↓

CHECKED

APPROVED

OTTAWA, ONTARIO  
 TMC(Canada)LIMITED

BILL OF MATERIAL      REPLACEMENT PARTS      MODEL RAC-7A      PROJ. NO.      LIST NO. ML-10033  
 ISSUE      SHEET 2 OF 2 SHEETS

TMC PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION	REMARKS
6. GA-103		GASKET: Antenna coupler cover; neoprene; 9" lg. x 9" wd. x 3/32" thick; with 8-3/8" x 8 3/8" hole in centre.	
7. GA-102		GASKET: flange; neoprene; 2 1/2" dia. x 3/32" thick; with 1 1/4" dia. hole in centre.	

↑ APPLICABLE SPECIFICATIONS, LAST PAGE ↓

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APPROVED *[Signature]*



MATERIAL LIST		REV.											MODEL	RAC-7A		
													SHEET	1	OF	1
QUAN. PER UNIT	PART NO.	DESCRIPTION	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS									
				USED ON	USED TO MOUNT	QUAN.										
		SUPPORTING LISTS														
1	AX480	CASE/COV ASSY		A3490-1		1										
1	AX382-13	XFMR/PL ASSY		A3490-1		1										
		ELECTRICAL/MECHANICAL														
1	AD101-1/6	DESICCANT,ACTIV		A3490-1		1										
1	LD307	DIAG,SCHEM		A3490-1		1										
1	MS933	RET.,DESICCANT		A3490-1		1										
4	SFB0256SN4	SCR,TAP.,THD CTG		A3490-1		4										
		SUPP ASSY/REF DWGS														
1	A3490-1	RAC-7A FNL ASSY		RAC-7A		1										
		SPECIFICATIONS														
X	S105	CADMIUM PLATE		MS933		X										
1	S730	TEST PROC		A3490-1		1										
		LOOSE ITEMS														
1	ID297	DIAG,INSTL		A3490-1		1										
4	LWS37MRN	WASH.,LK,EXT		A3490-1		4										
4	MS619	BRKT,MTG		A3490-1		4										
4	NTH3716SN20	NUT,PLAIN,HEX		A3490-1		4										
8	SC111-2	BOLT,LAG		A3490-1		8										
4	SCHH3716SN16	BOLT,MACH		A3490-1		4										
2	TB8006	TECH BULLETIN		A3490-1		2										