

AM: SW 01-0698

DATE: 8-14-98

# MICROWAVE SWITCH FINAL TEST DATA

JOB NO: F11237-2 MODEL NO: 05-48-RN SERIAL NO: 4MS804162  
 CUSTOMER: Raytheon Company TECHNICIAN: C. Wendland  
 SPECIFICATION: STD FREQUENCY RANGE: 4.0 - 8.0 GHz

+5 VDC

5.2 VDC

$I = \frac{+420 \text{ mA}}{-240 \text{ mA}}$  (all OFF)  
 (all ON)

## RETURN LOSS

INSERTION LOSS	INPUT dB	INPUT VSWR	OUTPUT ON dB	OUTPUT ON VSWR	OUTPUT OFF dB	OUTPUT OFF VSWR
J5-J1 1.79 dB	17.82	1.29 = 1	21.02	1.19 = 1	20.88	1.20 = 1
J5-J2 1.70 dB	16.15	1.37 = 1	14.84	1.44 = 1	18.74	1.26 = 1
J5-J3 1.77 dB	16.23	1.36 = 1	13.88	1.50 = 1	22.73	1.15 = 1
J5-J4 1.79 dB	20.46	1.21 = 1	21.39	1.18 = 1	16.22	1.36 = 1

## SWITCHING SPEED

ISOLATION	DELAY ON	RISE TIME	DELAY OFF	FALL TIME
J5-J1 > 60 dB	< 750 nS	X	< 750 nS	X
J5-J2 > 60 dB	< 750 nS		< 750 nS	
J5-J3 > 60 dB	< 750 nS		< 750 nS	
J5-J4 > 60 dB	< 750 nS		< 750 nS	

NOTE: Any additional Test Data on Back

TEST: CW E#29

TESTED ON: 8757A (HP) / 8350B (HP)

QA/QC: \_\_\_\_\_

DATE: \_\_\_\_\_