



TEST DATA

ON

8.5 TO 10.5 GHz

2kW-HIGH POWER

LOW LOSS

REFLECTIVE, SP4T PIN DIODE SWITCH

AMC MODEL No: SWH-0910-4A

Serial Number: 4MS210163

**BY
AMERICAN MICROWAVE
CORPORATION**

JULY 21, 1995

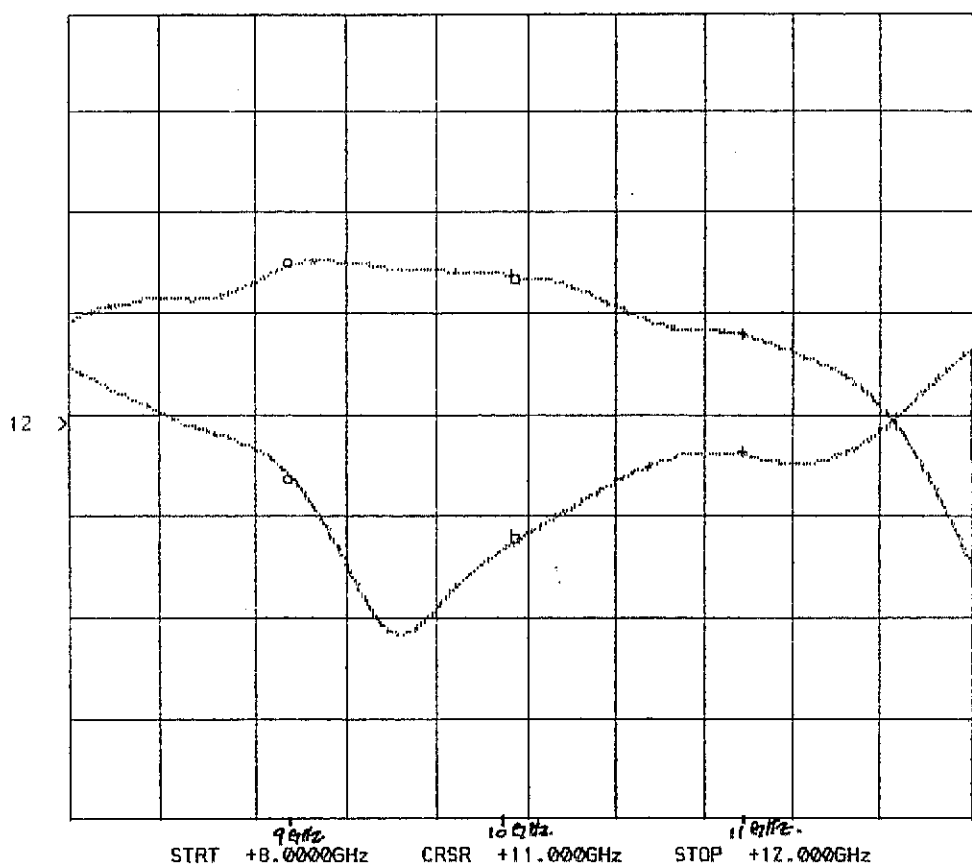


SUMMARY TEST DATA
SW-0910-4A
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SERIAL NUMBER : 4MS210163
TECHNICIAN : RENE AFABLE
VOLTAGE & CURRENT DRAW : +5vdc @ 160mA
: -15vdc @ 40mA

INSERTION LOSS & RETURN LOSS
J1 TO J2

CH1: A -M - 2.15 dB CH2: B -M - 11.46 dB
1.0 dB/ REF - 2.95 dB 5.0 dB/ REF - 9.54 dB



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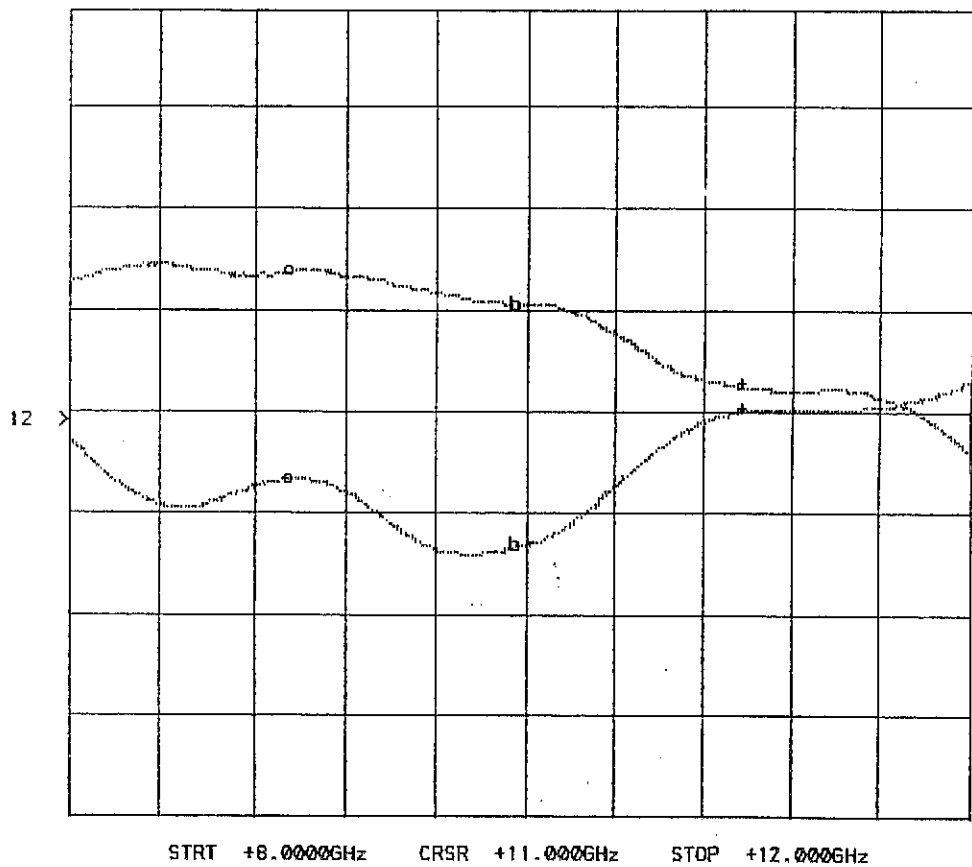


SUMMARY TEST DATA
SW-0910-4A
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SERIAL NUMBER : 4MS210163
TECHNICIAN : RENE AFABLE
VOLTAGE & CURRENT DRAW : +5vdc @ 160mA
: -15vdc @ 40mA

INSERTION LOSS & RETURN LOSS
J1 TO J3

CH1: A -M - 2.67 dB CH2: B -M - 9.33 dB
1.0 dB/ REF - 2.95 dB 5.0 dB/ REF - 9.54 dB



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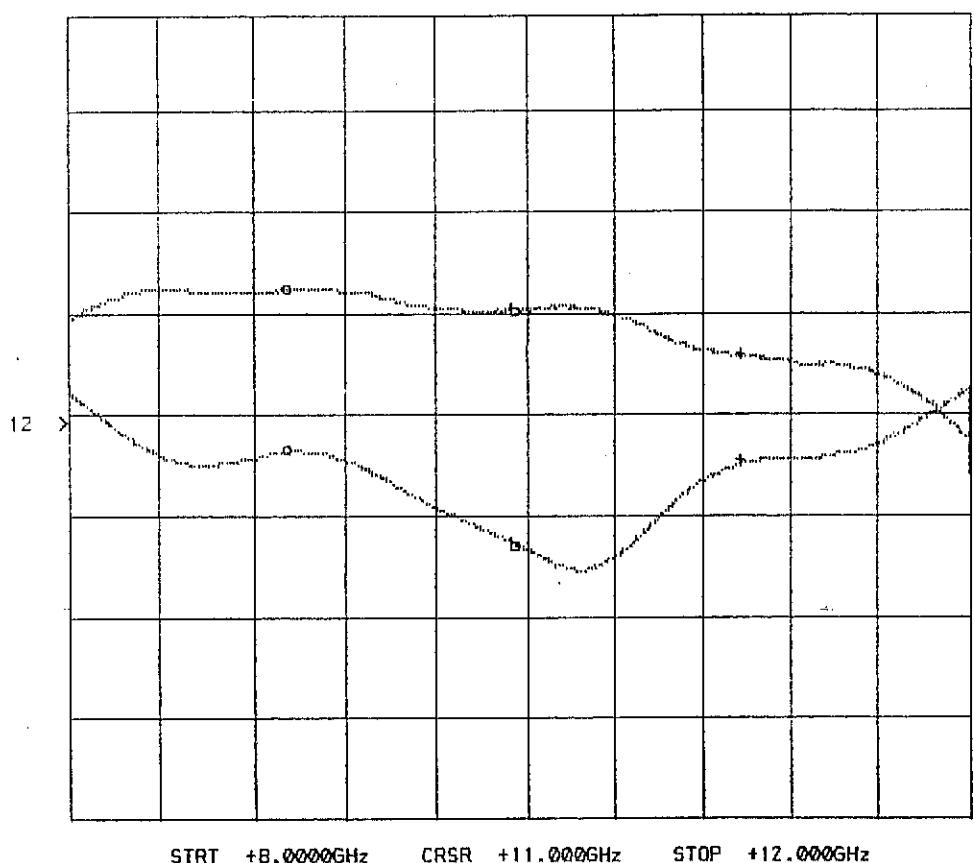


SUMMARY TEST DATA
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SERIAL NUMBER : 4MS210163
TECHNICIAN : RENE AFABLE
VOLTAGE & CURRENT DRAW : +5vdc @ 160mA
: -15vdc @ 40mA

INSERTION LOSS & RETURN LOSS
J1 TO J4

CH1: A -M - 2.35 dB CH2: B -M - 11.84 dB
1.0 dB/ REF - 2.95 dB 5.0 dB/ REF - 9.54 dB



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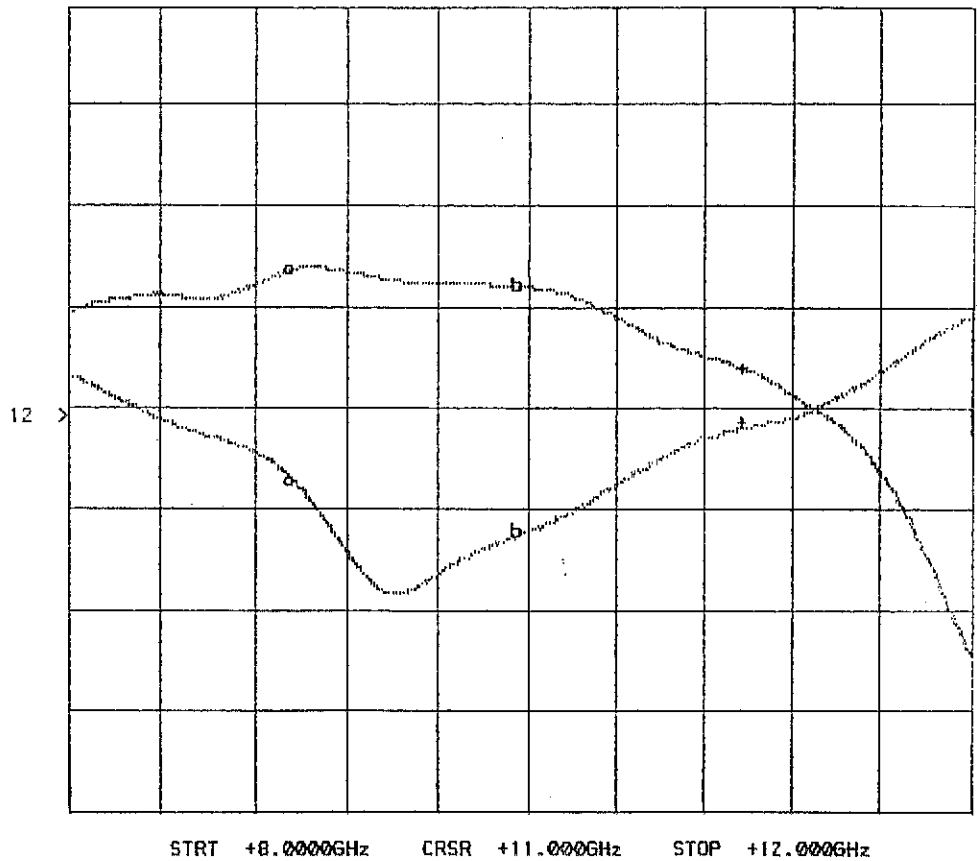


SUMMARY TEST DATA
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SERIAL NUMBER : 4MS210163
TECHNICIAN : RENE AFABLE
VOLTAGE & CURRENT DRAW : +5vdc @ 160mA
: -15vdc @ 40mA

INSERTION LOSS & RETURN LOSS
J1 TO J5

CH1: A -M - 2.55 dB CH2: B -M - 10.35 dB
1.0 dB/ REF - 2.95 dB 5.0 dB/ REF - 9.54 dB



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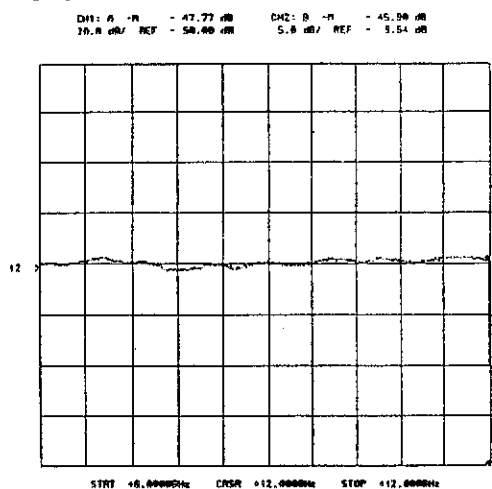


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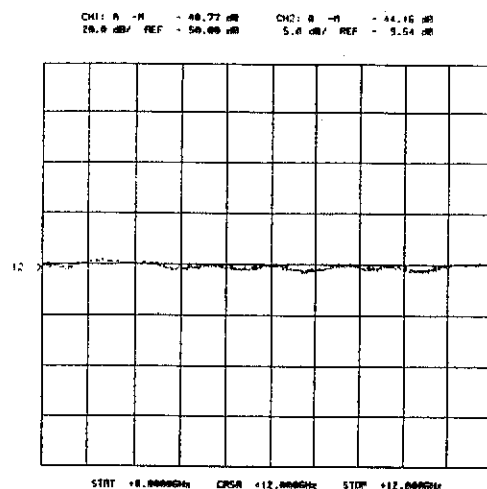
SERIAL NUMBER : 4MS210163
TECHNICIAN : RENE AFABLE
VOLTAGE & CURRENT DRAW : +5vdc @ 160mA
: -15vdc @ 40mA

ISOLATION
AS MEASURED ON A NETWORK ANALYSER

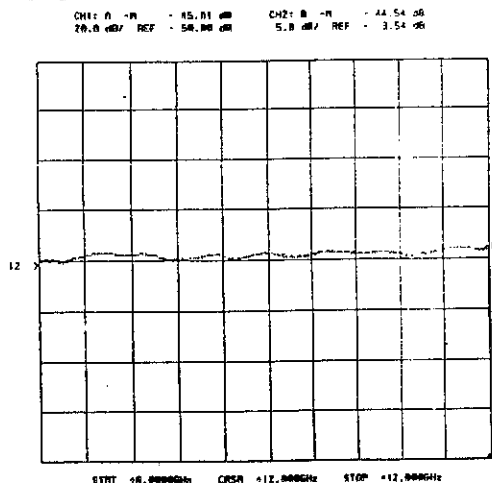
J1-J2



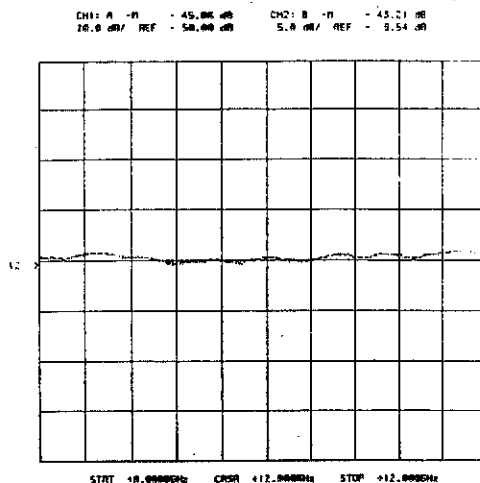
J1-J3



J1-J4



J1-J5



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SUMMARY TEST DATA
SW-0910-4A
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SERIAL NUMBER : 4MS210163
TECHNICIAN : RENE AFABLE
VOLTAGE & CURRENT DRAW : +5vdc @ 160mA
: -15vdc @ 40mA

ISOLATION

AS MEASURED ON A SPECTRUM ANALYSER

FREQUENCY	J1-J2 ISOLATION	J1-J3 ISOLATION	J1-J4 ISOLATION	J1-J5 ISOLATION
6.0 GHz	58 dB	60 dB	60 dB	60 dB
8.0 GHz	52 dB	54 dB	54 dB	53 dB
10.0 GHz	52 dB	54 dB	52 dB	53 dB
14.0 GHz	54 dB	54 dB	52 dB	54 dB
16.0 GHz	43 dB	46 dB	43 dB	44 dB
18.0 GHz	36 dB	52 dB	46 dB	31 dB

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SUMMARY TEST DATA

SW-0910-4A

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SERIAL NUMBER	: 4MS210163
TECHNICIAN	: RENE AFABLE
VOLTAGE & CURRENT DRAW	: +5vdc @ 160mA
	: -15vdc @ 40mA

SWITCHING SPEED
TYPICAL FOR ALL ARMS

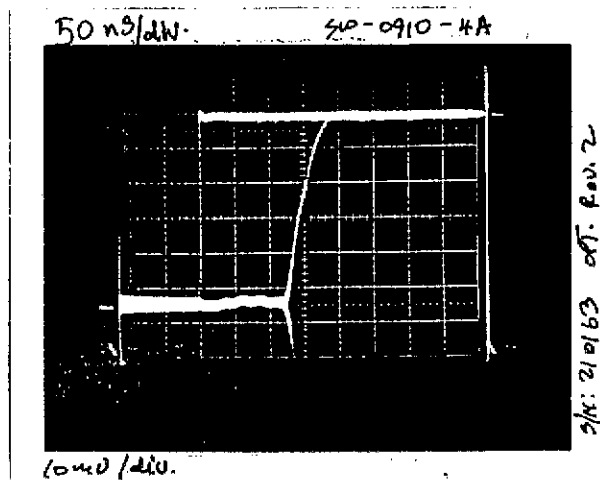
"RISE/FALL" TIME: 10%RF TO 90%RF & 90%RF TO 10%RF

"ON/OFF" TIME: 50%TTL TO 90%RF OR 10%RF

"ON" 160nS, "RISE" 45nS

HORIZONTAL SCALE:
50nS/DIVISION

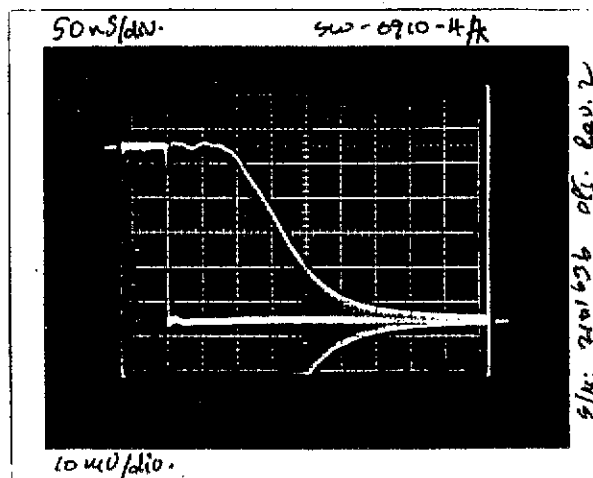
VERTICAL SCALE:
10mV/DIVISION



"OFF" 280nS, "FALL" 180nS

HORIZONTAL SCALE:
50nS/DIVISION

VERTICAL SCALE:
10mV/DIVISION



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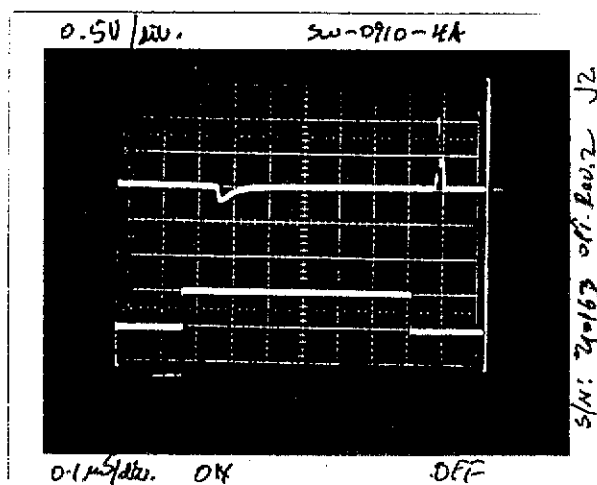
SERIAL NUMBER	: 4MS210163
TECHNICIAN	: RENE AFABLE
VOLTAGE & CURRENT DRAW	: +5vdc @ 160mA
	: -15vdc @ 40mA

VIDEO TRANSIENTS
TYPICAL FOR ALL ARMS
1.5 Volts Peak to Peak

AS MEASURED IN A
300MHz BANDWIDTH

HORIZONTAL SCALE:
0.1 μ S/DIVISION

VERTICAL SCALE:
0.5 V/DIVISION



JULY 21, 1995