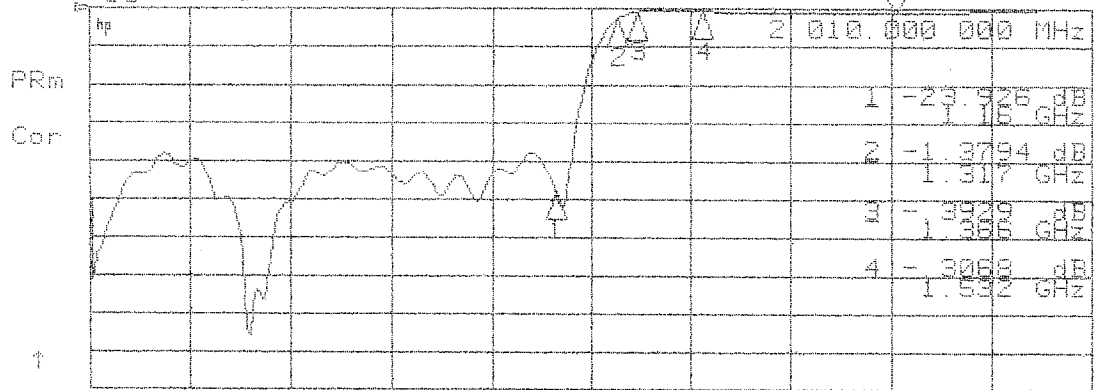


23 Apr 2002 08:22:57

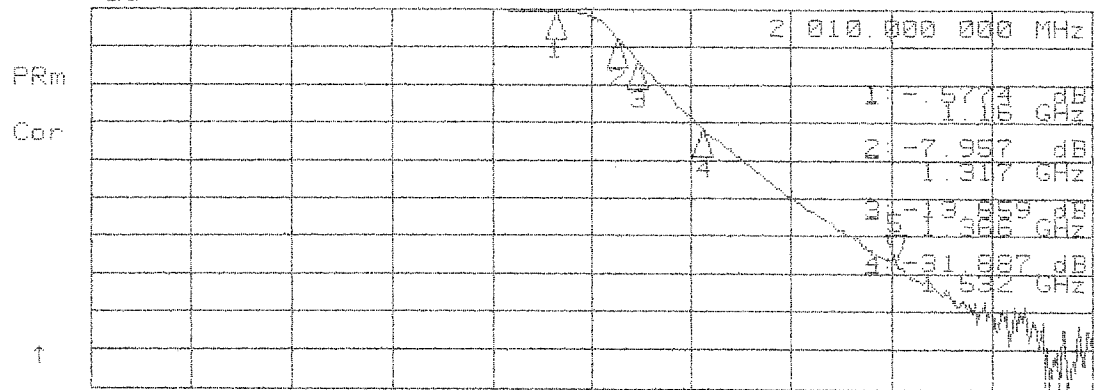
CH1 S<sub>11</sub> log MAG 5 dB/ REF 0 dB 55-5177 dB



SN 016  
PN 12261  
milit



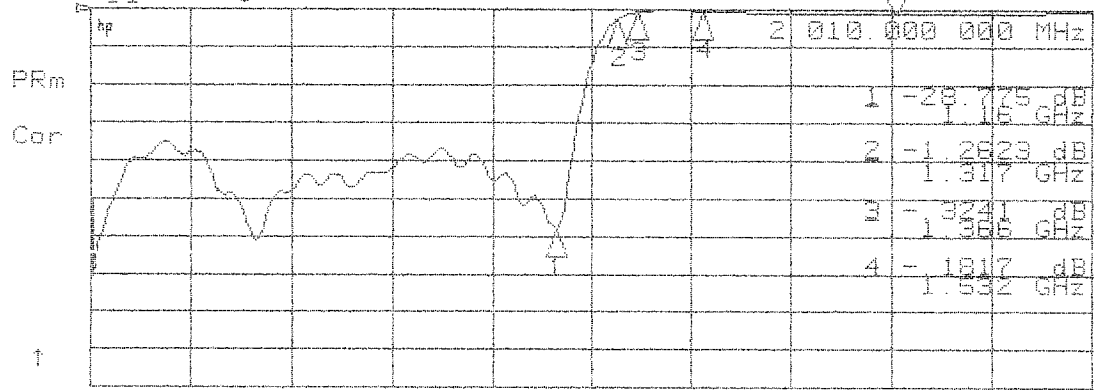
CH2 S<sub>21</sub> log MAG 10 dB/ REF 0 dB 5:-67.11 dB



START .010 000 MHz STOP 2 500.000 000 MHz

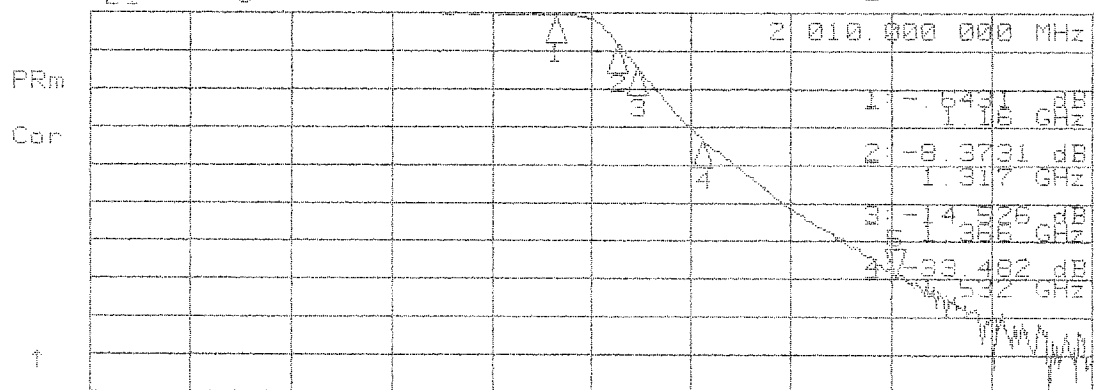
23 Apr 2002 08:25:12

CH1 S<sub>11</sub> log MAG 5 dB/ REF 0 dB 55-5877 dB



SN 017  
PN 12261  
milit

CH2 S<sub>21</sub> log MAG 10 dB/ REF 0 dB 5:-69.512 dB



START .010 000 MHz STOP 2 500.000 000 MHz

REQUIREMENTS

1 ELECTRICAL

GENERAL. THE UNIT SHALL PROVIDE FULL ELECTRICAL PERFORMANCE IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS OVER ANY COMBINATION OF ENVIRONMENTAL CONDITIONS SPECIFIED.

2 PASS-BAND FREQUENCY RANGE. THE MINIMUM PASS-BAND FREQUENCY RANGE SHALL BE FROM DC TO 1,160 MHz.

3 CUTOFF FREQUENCY. THE CUTOFF FREQUENCY SHALL BE AT 1,160 MHz +5 PERCENT AT THE 0-dB POINT.

4 THREE-dB REJECTION POINT. THE UNIT SHALL HAVE A REJECTION OF AT LEAST 3-dB AT 1,317 MHz + 5 PERCENT.

5 TEN-dB REJECTION POINT. THE UNIT SHALL HAVE A REJECTION OF AT LEAST 10-dB AT 1,366 MHz +5PERCENT.

6 THIRTY-dB REJECTION POINT. THE UNIT SHALL HAVE A REJECTION OF AT LEAST 30 dB AT 1,532 MHz +5PERCENT.

7 FORTY-dB REJECTION POINT. THE UNIT SHALL HAVE A MINIMUM REJECTION OF 40 dB FROM 8,500 THRU 9,000 MHz.

8 SIXTY-dB REJECTION POINT. THE UNIT SHALL HAVE A MINIMUM REJECTION OF 60 dB FROM 2,010 THRU 8,500 MHz.

9 INSERTION LOSS. THE MAXIMUM INSERTION LOSS WITHIN THE PASS-BAND FREQUENCY RANGE (SEE 3.2.1.1) SHALL BE 1-dB.

10 VOLTAGE STANDING-WAVE RATIO (VSWR). THE MAXIMUM VSWR IN THE PASS-BAND RANGE SHALL BE 1.5;1, WHEN REFERENCED TO A 50-OHM SYSTEM.

11 IMPEDANCE. THE UNIT SHALL HAVE A 50-OHM IMPEDANCE.

12 RF INPUT POWER. THE UNIT SHALL TOLERATE WITHOUT DAMAGE OR PERMANENT DEGRADATION A MAXIMUM RF INPUT POWER OF 40.6 dBm, CW

13 RESPONSE. THE FILTER SHALL HAVE A MONOTONIC RESPONSE FROM THE 3-dB TO 60-dB REJECTION POINTS.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. AND INCLUDE FINISH: TOLERANCES ARE: FRACTIONS ± 1/64 DECIMALS XX ± 01 XXX ± .005 ANGLES ± 0°15' SURFACE FINISH 63 CONCENTRICITY .004 TIR ✓		SIGNED	DATE	<b>RS</b> <b>MICROWAVE COMPANY, INC.</b> 22 PARK PLACE, P.O. BOX 273      BUTLER, NEW JERSEY 07405 201-482-1207      FSCM 61453			
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	E E APP'D	<i>RS</i>	<i>8/2/61</i>				
PROPRIETARY DOCUMENT THIS DRAWING AND/OR INFORMATION OR SUBJECT MATTER CONTAINED HEREIN, SHALL NOT BE USED, COPIED OR DISSEMINATED IN ANY MANNER, OR FOR ANY PURPOSE, OTHER THAN AS EXPRESSLY STATED BY	ME APP'D			TITLE			
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	JOB NO			<b>A</b>	<b>61453</b>	12261	