



Planar Monolithics Industries, INC.

SUMMARY TEST DATA ON DIRECTIONAL DETECTOR

Customer
 Job No
 Model No : DD-20-23
 Serial No : PM112517

Tested By : Kevin Mason
 Temperature : +25°C
 Date : 12/13/01

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE			REMARKS QA/QC
1	Frequency	2.5-3.0 GHz	pass			
2	Insertion Loss	0.25dB max.	0.61 dB			
3	Insertion Loss Variation Over Freq.	0.2dB max.	0.21 dB			
4	VSWR	1.25:1 max.	Pass (see plot)			
5	Max. Input Power	3 Watts	pass			
6	Supply Voltage	±15VDC	ok			
7	Impedance	50 Ohms	50 Ohms			
8	Min. Directivity	20dB min.	pass			
9	Output Voltage Variation With Freq. and Temp.	±0.2dB max.	pass			
10	Detector Output Voltage: <u>Power In</u>	<u>Voltage Output</u>	2.5 GHz (mV)	2.75 GHz (mV)	3.0 GHz (mV)	
	+26dBm	150-220 mV	150.08	150.18	158.35	
	+23dBm	94-130 mV	94.01	95.84	104.03	
	+20dBm	58-83 mV	59.14	62.68	67.61	
	+16dBm	31-46mV	33.70	36.02	38.96	
11	Video BW	10 MHz min.	pass			

Production Manager Approval: _____ Date: _____

QA/QC Approval: _____ Date: _____

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