


DASH NO.	APPLICATION		REVISIONS			
	NEXT ASSY	USED ON	REV	DESCRIPTION	DATE	APPROVED
			1	RELEASE PER ECO 100791	1-9-07	JM
			2	REVISE PER ECO 101093	7-29-13	JM
			A1	ECN # 17-0281	12-29-17	

REVISION	SHT NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			
STATUS	LETTER	2	2																					
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70

PMI CONFIDENTIAL & PROPRIETARY: The information contained herein is the property of PMI. Its use or reproductions is prohibited except as provided for by prior written authorization from PMI	PLANAR MONOLITHICS INDUSTRIES, INC.	
	4921 ROBERT J. MATHEWS PKWY, EL DORADO HILLS CA 95762 916-542-1401	
	TEST DATA SHEET	
	THRESHOLD DETECTOR	
	GMTA-1003	
	CONTRACT NO.	
	DRAWN: CAMERON N 1-09-07	
	CHECKED	
	PROJ ENGR JOHN M 1-09-07	
	PROG MGR	
MFG. ENGR		
QA ENGR		
RELIABILITY:		
CUSTOMER		

	SIZE A	CAGE CODE 71A34	DWG. NO. ETD000030	REVISION A1
	SCALE			SHEET 1 OF 3

MODEL NO.: GMTA-1003

FREQUENCY: 8 – 18 GHz

SERIAL NO.: PL23861

PARAMETER	SPECIFICATION	MEASUREMENT
THRESHOLD LEVEL	Pin = -42 dBm @ 25 ° C	-38.9dBm Average
RESPONSE TIME @ TTL "1" / TTL "0"	100 μs max	12us
INPUT VSWR	2.5 : 1 @ Pin = -10 dBm	2.02:1 See Attached Plots
DC POWER SUPPLY NO RF SIGNAL	+12V @ 200 mA	54mA

THRESHOLD SETTING STABILITY
± 3 dB max OVER FREQUENCY @ TEMPERATURE

FREQ.	8 GHz	10 GHz	12 GHz	14 GHz	16 GHz	18 GHz
Pin @ 25 ° C	-39.2	-38.9	-38.9	-39.5	-39.5	-37.8
Pin @ 0 ° C	-39.8	-39.6	-39.0	-39.6	-39.2	-38.3
Pin @ 85 ° C	-38.7	-38.0	-37.9	-38.7	-38.5	-37.2

TESTED BY: J WADE

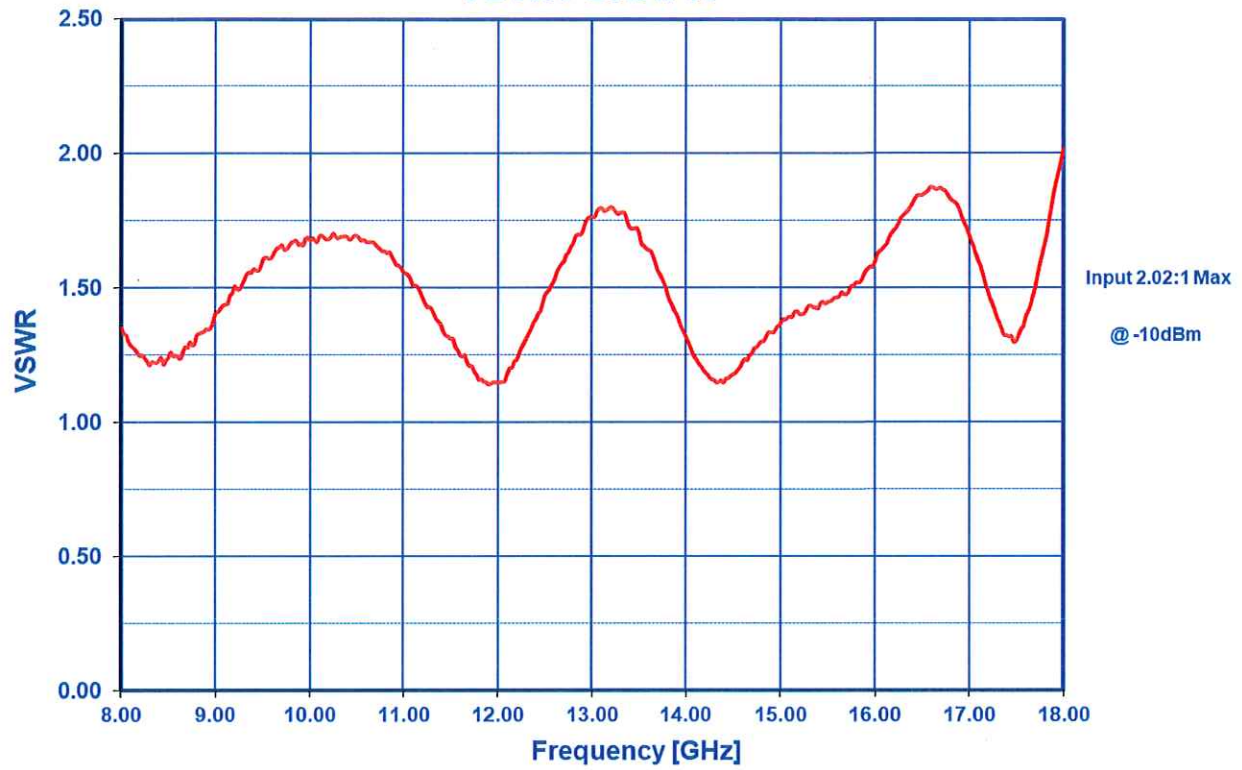
DATE: 11/09/2018

QA BY: *J Wade*

DATE: 11/13/18

	SIZE A	CAGE CODE 71A34	DWG. NO. ETD000030	REVISION A1
	SCALE			SHEET 2 OF 3

VSWR GRAPH



SIZE
A

CAGE CODE
71A34

DWG. NO.
ETD000030

REVISION A1

SCALE

SHEET 3 OF 3