


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

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	4921 ROBERT J. MATHEWS PKWY, EL DORADO HILLS CA 95762 916-542-1401	
	<b>TEST DATA SHEET</b>	
	<b>THRESHOLD DETECTOR</b>	
	<b>GMTA-1003</b>	
	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 <b>A</b>	CAGE CODE <b>71A34</b>	DWG. NO. <b>ETD000030</b>	REVISION <b>A1</b>
	SCALE			SHEET 1 OF 3

MODEL NO.: GMTA-1003

FREQUENCY: 8 – 18 GHz

SERIAL NO.: PL23625

PARAMETER	SPECIFICATION	MEASUREMENT
THRESHOLD LEVEL	Pin = -42 dBm @ 25 ° C	-39.9dBm Average
RESPONSE TIME @ TTL "1" / TTL "0"	100 μs max	13us
INPUT VSWR	2.5 : 1 @ Pin = -10 dBm	2.01:1 See Attached Plots
DC POWER SUPPLY NO RF SIGNAL	+12V @ 200 mA	61mA

**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	-38.8	-40.7	-39.9	-39.8	-40.9	-40.1
Pin @ 0 ° C	-40.1	-41.1	-40.2	-40.1	-41.1	-40.4
Pin @ 85 ° C	-39.2	-40.3	-39.2	-39.1	-40.3	-39.4

TESTED BY: J Wade

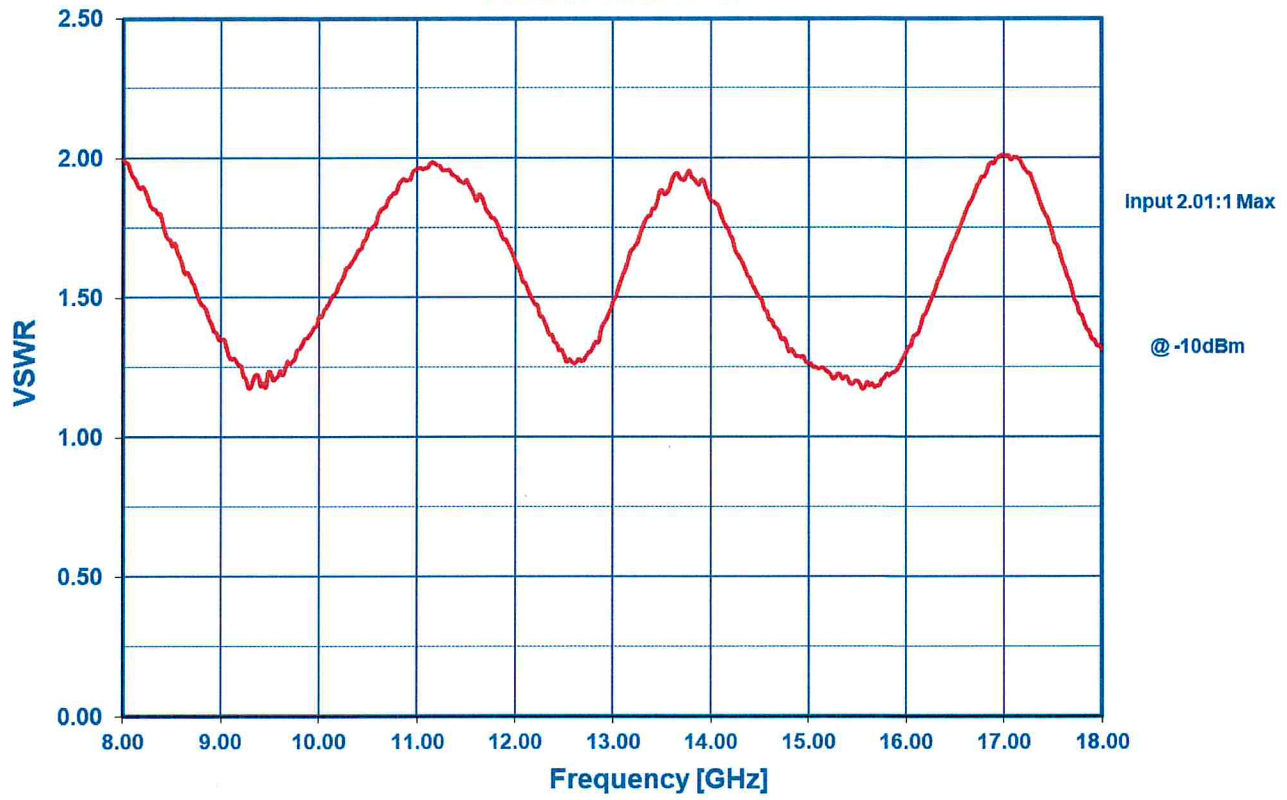
DATE: 10-2-18

QA BY: J Wade

DATE: 10/3/18

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

### VSWR GRAPH



SIZE  
A

CAGE CODE  
71A34

DWG. NO.  
ETD000030

REVISION A1

SCALE

SHEET 3 OF 3