


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	
	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.: PL23762

PARAMETER	SPECIFICATION	MEASUREMENT
THRESHOLD LEVEL	Pin = -42 dBm @ 25 ° C	-38.2 dBm Average
RESPONSE TIME @ TTL "1" / TTL "0"	100 µs max	13us
INPUT VSWR	2.5 : 1 @ Pin = -10 dBm	2.09 :1 See Attached Plots
DC POWER SUPPLY NO RF SIGNAL	+12V @ 200 mA	52 mA

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	-37.5	-39.3	-37.6	-37.5	-38.6	-38.8
Pin @ 0 ° C	-38.0	-39.6	-38.2	-37.8	-39.1	-39.2
Pin @ 85 ° C	-37.0	-38.4	-36.9	-36.7	-38.2	-38.0

TESTED BY: J Wade

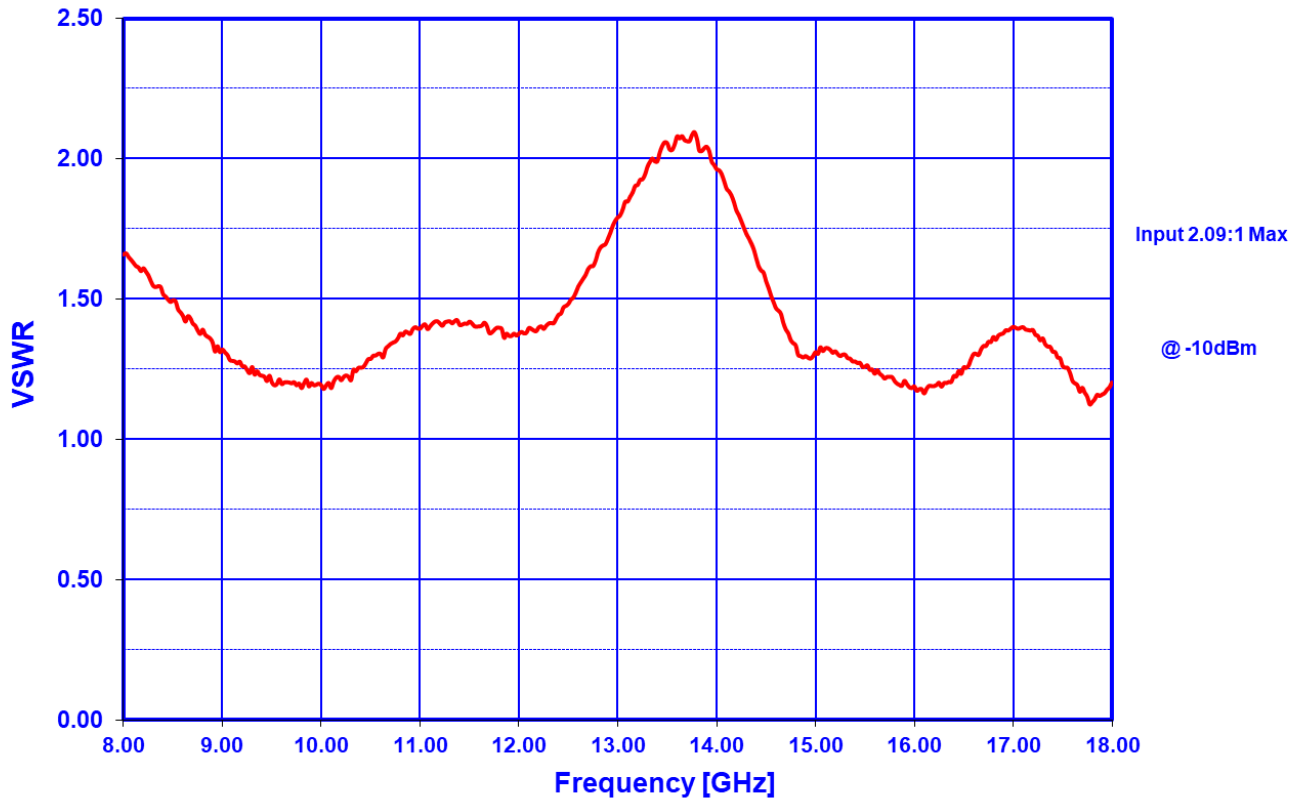
DATE: 10/30/18

QA BY: J. Ireland

DATE: 11/1/18

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

VSWR GRAPH



SIZE
A

SCALE

CAGE CODE
71A34

DWG. NO.
ETD000030

REVISION **A1**

SHEET 3 OF 3