

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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	<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.: PL23623

PARAMETER	SPECIFICATION	MEASUREMENT
PL23623 THRESHOLD LEVEL	Pin = -42 dBm @ 25 ° C	-39.8dBm Average
RESPONSE TIME @ TTL "I" / TTL "O"	100 μs max	12us
INPUT VSWR	2.5 : 1 @ Pin = -10 dBm	2.00:1 See Attached Plots
DC POWER SUPPLY NO RF SIGNAL	+12V @ 200 mA	63mA

**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	-39.4	-40.6	-39.6	-39.7	-40.1	-39.9
Pin @ 0 ° C	-39.7	-41.0	-39.9	-40.0	-40.4	-40.4
Pin @ 85 ° C	-38.7	-39.9	-38.7	-38.9	-39.4	-39.2

TESTED BY: J. W. [Signature]

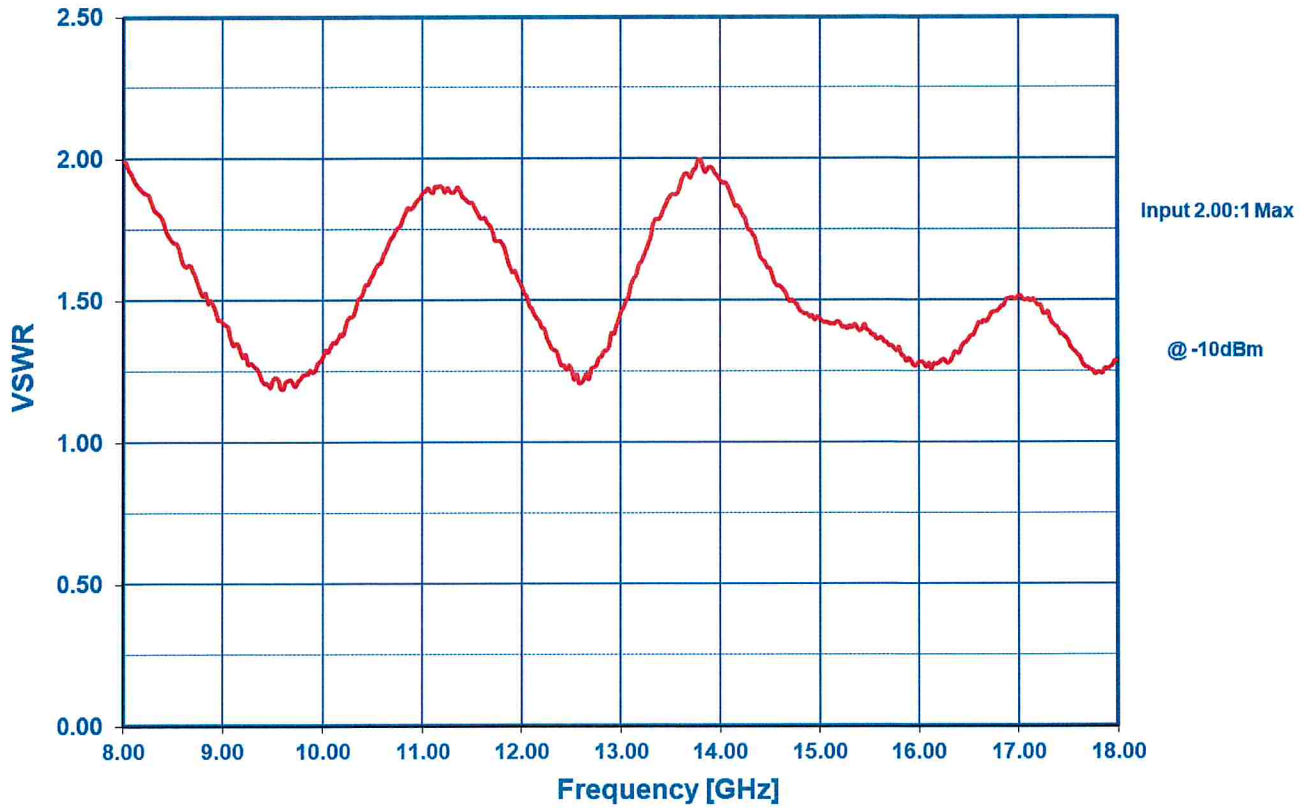
DATE: 10-2-18

QA BY: [Signature]

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

SCALE

CAGE CODE  
71A34

DWG. NO.  
ETD000030

REVISION A1

SHEET 3 OF 3