

DASH NO.	APPLICATION		REVISIONS			
	NEXT ASSY	USED ON	REV	DESCRIPTION	DATE	APPROVED
			1	RELEASE PER ECO 100757	1-2-07	JM
			2	REVISE PER ECO 100964	10-23-07	JM
			3	REVISE PER ECO 101093	7-29-13	JM

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	3	3																		

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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CONTRACT NO.		TEST DATA SHEET THRESHOLD DETECTOR GMTA-1002-1	
DRAWN: CAMERON N 1-2-07			
CHECKED			
PROJ ENGR JOHN M 1-2-07			
PROG MGR			
MFG. ENGR			
QA ENGR			
RELIABILITY:			
CUSTOMER			

	SIZE A	CAGE CODE 71A34	DWG. NO. ETD000029	REVISION 3
	SCALE			SHEET 1 OF 3

MODEL NO.: GMTA-1002

FREQUENCY: 2 – 18 GHz

SERIAL NO.: PL16097

PARAMETER	SPECIFICATION	MEASUREMENT
THRESHOLD LEVEL	Pin = -18 TO -23 dBm @ 25 ° C	-20.5 dBm
RESPONSE TIME @ TTL “ I ” / TTL “ O ”	100 μ s max	9 μ s
INPUT VSWR	2.5 : 1 @ Pin = -10 dBm	See Attached Plots
DC POWER SUPPLY NO RF SIGNAL	+12V @ 50 mA	43 mA

THRESHOLD SETTING STABILITY

 ± 3 dB max OVER FREQUENCY @ TEMPERATURE

FREQ.	2 GHz	4 GHz	6 GHz	8 GHz	10 GHz	12 GHz	14 GHz	16 GHz	18 GHz
Pin @ 25 ° C	-19.1	-21.2	-21.9	-20.4	-20.4	-20.0	-19.3	-19.6	-21.3
Pin @ 0 ° C	-19.5	-21.4	-22.2	-20.5	-20.7	-20.4	-19.6	-19.9	-21.7
Pin @ 85 ° C	-20.0	-21.1	-21.4	-19.8	-19.6	-18.8	-18.2	-18.8	-20.0

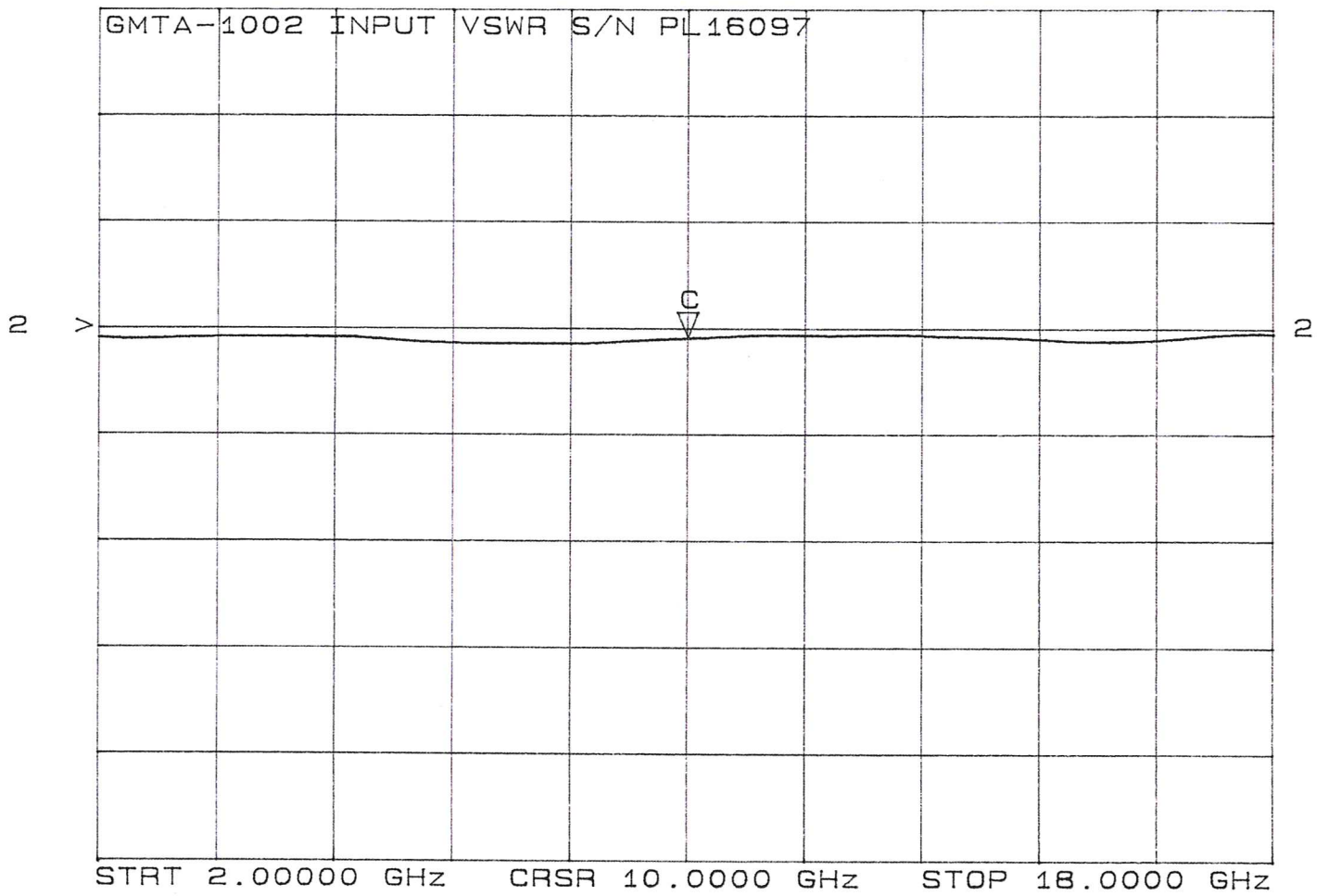
TESTED BY: Harold M. SchuyDATE: 11/5/2014QA BY: John H.DATE: 11/6/14SIZE
ACAGE CODE
71A34DWG. NO.
ETD000029

REVISION 3

SCALE

SHEET 2 OF 3

CH2: A	-M	+1.654 SWR
10.00 /	REF	2.500 SWR



SIZE
A

SCALE

CAGE CODE
71A34

DWG. NO.
ETD000029

REVISION 3

SHEET 3 OF 3