


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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<p>CONTRACT NO.</p> <p>DRAWN: CAMERON N 1-09-07</p> <p>CHECKED</p> <p>PROJ ENGR JOHN M 1-09-07</p> <p>PROG MGR</p> <p>MFG.ENGR</p> <p>QA ENGR</p> <p>RELIABILITY:</p> <p>CUSTOMER</p>	<p>TEST DATA SHEET THRESHOLD DETECTOR GMTA-1003</p>

	SIZE A	CAGE CODE 71A34	DWG. NO. ETD000030	REVISION A1
	SCALE			SHEET 1 OF 2

MODEL NO.: GMTA-1003

FREQUENCY: 8 – 18 GHz

SERIAL NO.: PL41629

PARAMETER	SPECIFICATION	MEASUREMENT
THRESHOLD LEVEL	Pin = -42 dBm @ 25 ° C	-41.2 dBm Average
RESPONSE TIME @ TTL " I " / TTL " O "	100 μs max	<10us
INPUT VSWR	2.5 : 1 @ Pin = -10 dBm	2.45:1 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	-41.6	-41.0	-41.2	-41.2	-41.7	-40.6
Pin @ 0 ° C	-41.7	-41.1	-41.0	-41.0	-41.7	-40.8
Pin @ 85 ° C	-41.1	-40.3	-40.1	-40.1	-40.8	-39.9

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

Input VSWR



TESTED BY: D

DATE: 8/18/23

QA BY: A Zimmerman

DATE: 8/18/23

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