


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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CONTRACT NO.	<p>TEST DATA SHEET THRESHOLD DETECTOR GMTA-1003</p>
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 2

MODEL NO.: GMTA-1003

FREQUENCY: 8 – 18 GHz

SERIAL NO.: PL41633

PARAMETER	SPECIFICATION	MEASUREMENT
THRESHOLD LEVEL	Pin = -42 dBm @ 25 ° C	-40.5 dBm Average
RESPONSE TIME @ TTL " 1 " / TTL " 0 "	100 μs max	<10us
INPUT VSWR	2.5 : 1 @ Pin = -10 dBm	2.38:1 See Attached Plots
DC POWER SUPPLY NO RF SIGNAL	+12V @ 200 mA	59mA

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	-39.8	-41.9	-39.9	-40.2	-41.2	-40.2
Pin @ 0 ° C	-39.9	-42.1	-39.9	-40.4	-41.5	-40.4
Pin @ 85 ° C	-39.1	-40.8	-39.2	-39.7	-40.4	-39.5



SIZE
A

SCALE

CAGE CODE
71A34

DWG. NO.
ETD000030

REVISION **A1**

SHEET 2 OF 2

MODEL NO.: GM TA-1003

FREQUENCY: 8 – 18 GHz

SERIAL NO.: PL41633

Input VSWR



TESTED BY: *[Signature]*
QA BY: *A Zimmerman*

DATE: 8/18/23
DATE: 8-18-23

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