

MODEL #	---	CTR-957751	CSO #	-	95306	DATE	---	7-15-94
CUSTOMER	---	MICROWAVE RADIO				P.O. #	---	D909363
CUSTOMER P/N	---	903858-2	REV	-	A	QUOTE #	---	Q95-0271RM
CUSTOMER SPEC #	---	902858	REV	-	A	CLASSIFIED SPEC #	---	

REQUIREMENTS	PARAMETERS: (1) TEST DATA REQUIRED (2) TEST DATA NOT REQUIRED (3) GBNT	TEST DATA REQUIREMENTS			
		25°C	-30°C	+70°C	
FREQUENCY RANGE OUTPUT	14.40 to 15.35 GHz				
FREQUENCY RANGE INPUT	3.60 to 3.84 GHz				
INPUT	+7 dBm MIN to +15 dBm MAX				
OUTPUT	+20 dBm MIN	1	1	1	
DC POWER	10 VOLTS				
POWER FLATNESS	±1.5 dB	1	1	1	
CURRENT	900 mA MAX	1	1	1	
STABILITY	UNCONDITIONALLY STABILITY WHEN OPERATED INTO AND FROM A 3.0:1 VSWR ALL PHASE	2	2	2	
INPUT MATCH	2.0:1	1	2	2	
OUTPUT MATCH	2.0:1	1	2	2	
HARMONIC	-40 dBc (all harmonic related components of input freq)	1	2	2	
POWER DETECTOR	1.0 V to 1.5 V @ RATED OUTPUT POWER	1	1	1	
ISOLATION	55 dB MIN W/DC POWER OFF	3	3	3	
PHASE NOISE CONTRIBUTION	12 dB NOMINAL	2	3	3	
SPURIOUS	-50 dBc MAX	1	2	2	
SPURIOUS	-80 dBc IN THE RANGE OF $F_c \pm 2$ GHz	1	2	2	

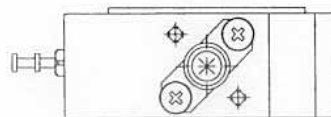
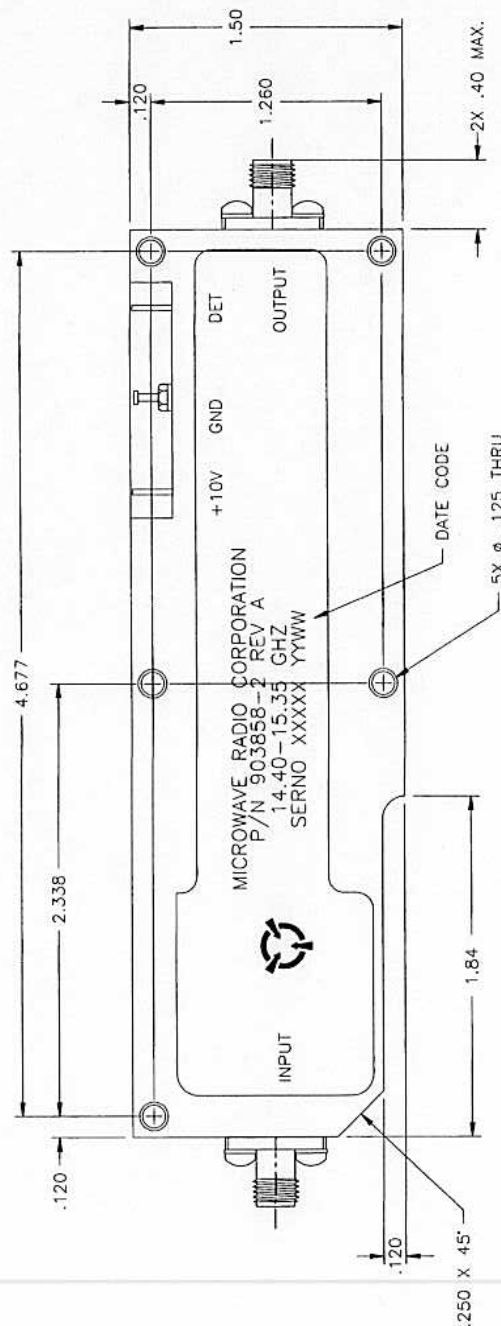
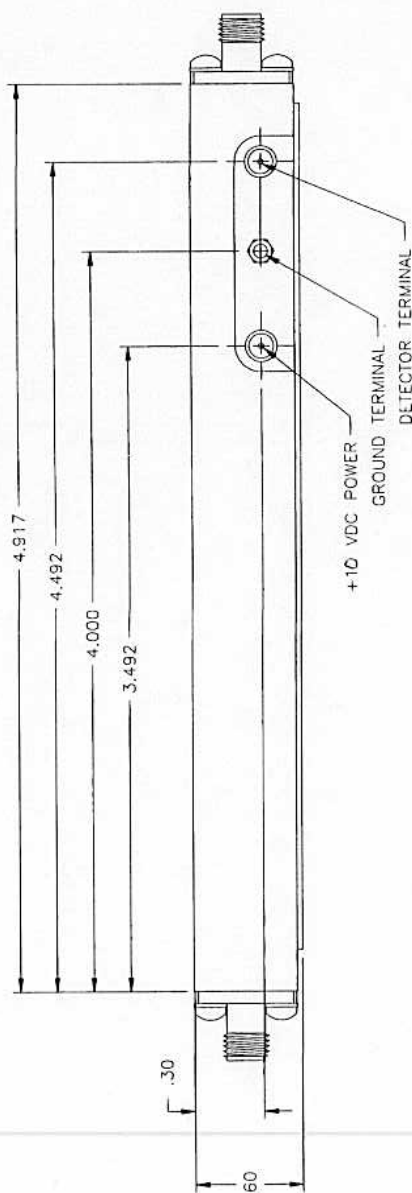
REQUIREMENTS PER	GTP-001214 ----	X	ATP ---	OTHER SEE BELOW ----	SIGNED SARF
CASE TYPE --	SPECIAL	CONNECTORS --	SMA-F	YES	X NO

SCREENING REQUIREMENTS		TECHNICAL RESPONSIBILITY ---- DAVE BRUBAKER					
TABLE I (DOC 910100) --	X	INSPECTION	CSI	GSI	RP	PRINT NAME	SIGNATURE
TABLE II (DOC 910101) --		NONE ---	X	X	SALES	VAL TERRY	96-2-21
SPECIAL OPERATIONS SHEET--		PRECAP ---			REVIEW	DAVE BRUBAKER	96-2-21
SPECIAL (SEE NOTE BELOW)--		FINAL ---			QA	DON BECKHAM	96-2-21

COMMENTS // NOTES:	
CEL-91B	

CELERITEK		SIZE A	MFG 2J873	DWG. NO. TS-957751	REV. E
SCALE		960221/0074		SHEET 2 OF 2	

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REV & REDRN PER ECO #A8776	9.2.13	DLG



OPTION	QTY./ ASSY.	PART OR IDENT. NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL/SPECIFICATION	ITEM NO.
PARTS LIST					
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES TOLERANCES		SOURCE NO.			
DECIMAL	ANGULAR	SWAN	S. BOS	94-08-02	
±.01	°	CAGE			
XXX ± .00010	8/	M. BOOTH		94-08-02	
FINISH		PRO. DES.	Y. LAU	94-08-02	
DO NOT SCALE DRAWING		94-08-02	J. CHUNG	94-08-02	
MATERIAL		TO ORDER		REV	
APPLICABLE TO PARTS UNLESS OTHERWISE SPECIFIED. THIS DRAWING IS THE PROPERTY OF CATERPILLAR. IT IS TO BE USED FOR THE MANUFACTURE OF CATERPILLAR EQUIPMENT ONLY. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.		D. BECKHAM		94-08-02	A
DATE		SCALE		SHEET	
FEB 22 1994		2/1		OF	
NEXT ASSY		USED ON		CTR-957751	
APPLICATION		INSTALLATION DRAWING		CTR-957751	
		TITLE			
		CELEBRITEK			