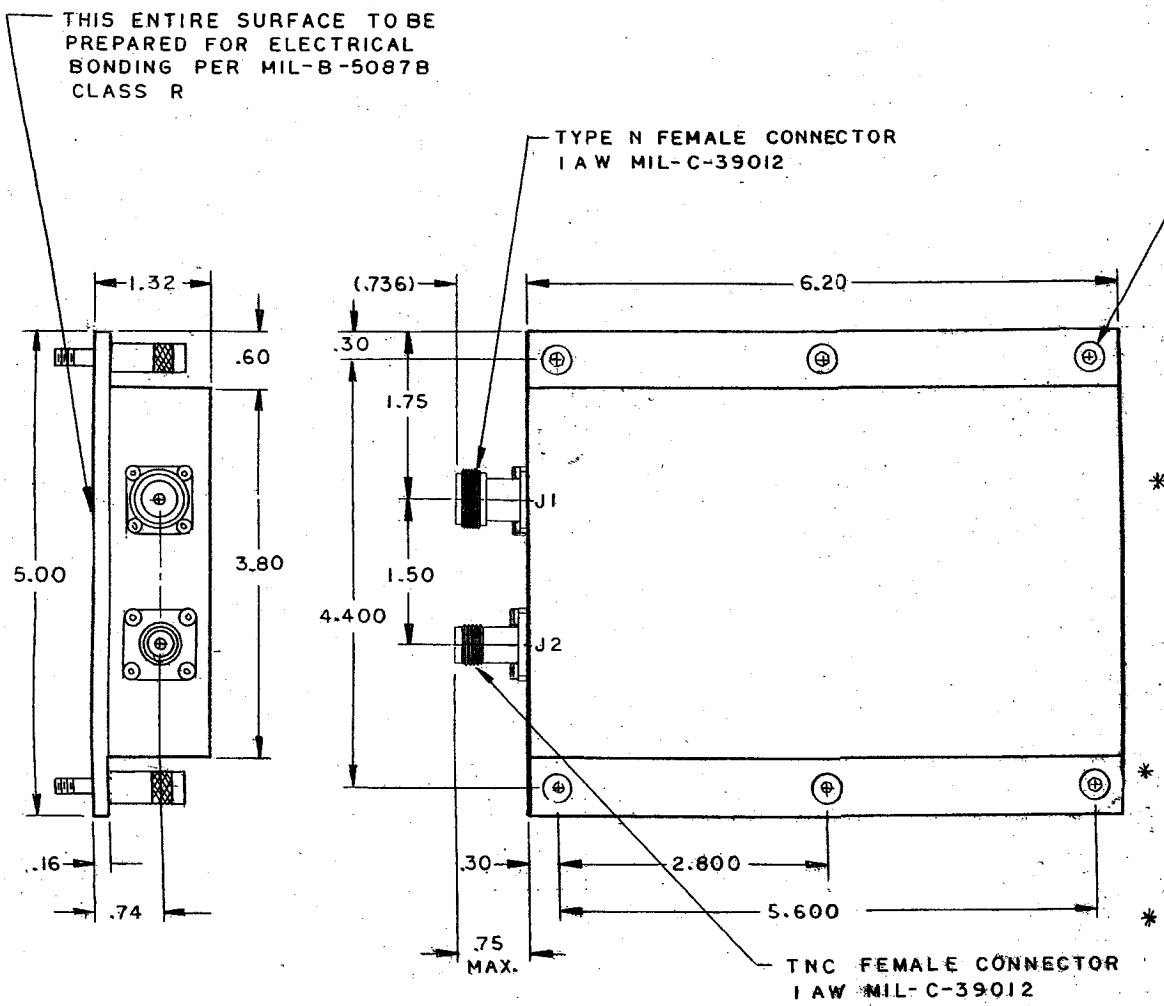
REVISIONS					
ZONE	LTR	ECN NO.	DESCRIPTION	DATE	APPROVED
	A	50392B -2-001	SEE ECN	7-15-05	HB



FREQUENCY RANGE (MHZ)	RF POWER (WATTS)	
	PEAK	AVERAGE
2-400	1	1
400-790	107	2
790-1000	282	50
1000-2000 (except in 1030 and 1090 notches)	1068	50
1030 and 1090 notch bands	1	1
2000-2700	1	1
2700-3600	2000 (min), 3932 (goal)	36
3600-4000	277	1
4000-8500	16	1
8500-11000	95	2
11000-45000	6	1

Environmental operation as per 264A035

Part Number 50392B-2

PASSBAND, MHZ	966 – 1011, 1050 – 1068, 1110 –1209
MAXIMUM –3dBc CUTOFF FREQUENCIES, MHZ	960, 1012, 1048, 1070, 1108, 1215
AVERAGE PASSBAND INSERTION LOSS	2.2 dB MAX, 1.5 dB goal
MAXIMUM PASSBAND INSERTION LOSS:	5 dB from 1004 to 1011 MHz (4 dB goal), 4 dB from 1050 to 1056 MHz, 4 dB from 1066 to 1068, 4 dB from 1110-1113 3 dB maximum at all other frequencies
PASSBAND RIPPLE	0.5 dB MAX
PASSBAND VSWR	1.5 : 1 MAX
MINIMUM POWER HANDLING, PASSBAND (Link 16 terminal emissions)	400 W pk, 50 W avg
AVERAGE PASSBAND GROUP DELAY	33 ns MAX
MAXIMUM VARIATION IN PASSBAND GROUP DELAY (from average value)	+/- 27 ns
REJECTION BAND, MHZ	
3 dBc MIN.	2000 – 2700
10 dBc MIN.	1018.5 (1016 goal) – 1041.5, 1076 – 1101.5
11 dBc MIN.	400 - 942
20 dBc MIN.	1019 – 1039, 1079 –1099, 2700 - 4000
30 dBc MIN.	1021 – 1037, 1081 – 1097, 4000 – 14000
40 dBc MIN.	1022 – 1037, 1082 – 1097
50 dBc MIN.	1022.5 – 1037, 1082.5 – 1097, 14000 – 20000
55 dBc MIN.	400 - 900
60 dBc MIN.	1023 – 1037, 1083 – 1097

* SEE NOTE 5.

NOTES:

1. FINISH: GRAY EPOXY PAINT IAW MIL-C-22750, COLOR 36231 PER FED-STD-595, OVER EPOXY PRIMER PER MIL-P-23377, OVER MICROWAVE SILVER PLATE OVER COPPER OVER ELECTROLESS NICKEL IAW RSM QAP-3, SHT. 5 OF 6.
2. ENTIRE BOTTOM SURFACE TO BE IRIDITE 14-2 TO PROVIDE ELECTRICAL BONDING IAW MIL-B-5087B, CLASS R AND TO BE COMPATIBLE WITH ALUMINUM.
3. WEIGHT: 3.5 LBS. APPROX.
4. BREAK ALL SHARP EDGES
5. EXCEPTION TO CURRENT SPECIFICATION

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES, AND INCLUDE FINISH. TOLERANCES ARE: FRACTIONS ± 1/64 DECIMALS .XX ± .01 .XXX ± .005 ANGLES ± 0°15' SURFACE FINISH 63 CONCENTRICITY .004 TIR

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	SIGNED	DATE
DRAWN	HB	7-15-05
CHECKED		7-15-05
E.E. APP'D		
M.E. APP'D		7-28-05
Q.A. APP'D	HB	7-28-05
JOB NO.		

RS MICROWAVE COMPANY, INC.
22 PARK PLACE, P.O. BOX 273 BUTLER, NEW JERSEY 07405
973-492-1307 FSCM 61453

TITLE NOTCH FILTER

SIZE	CODE IDENT. NO.	DWG. NO.	REV.
C	61453	50392B-2	A

SCALE FULL SHEET OF

SMITH JERSEY COPY 818483