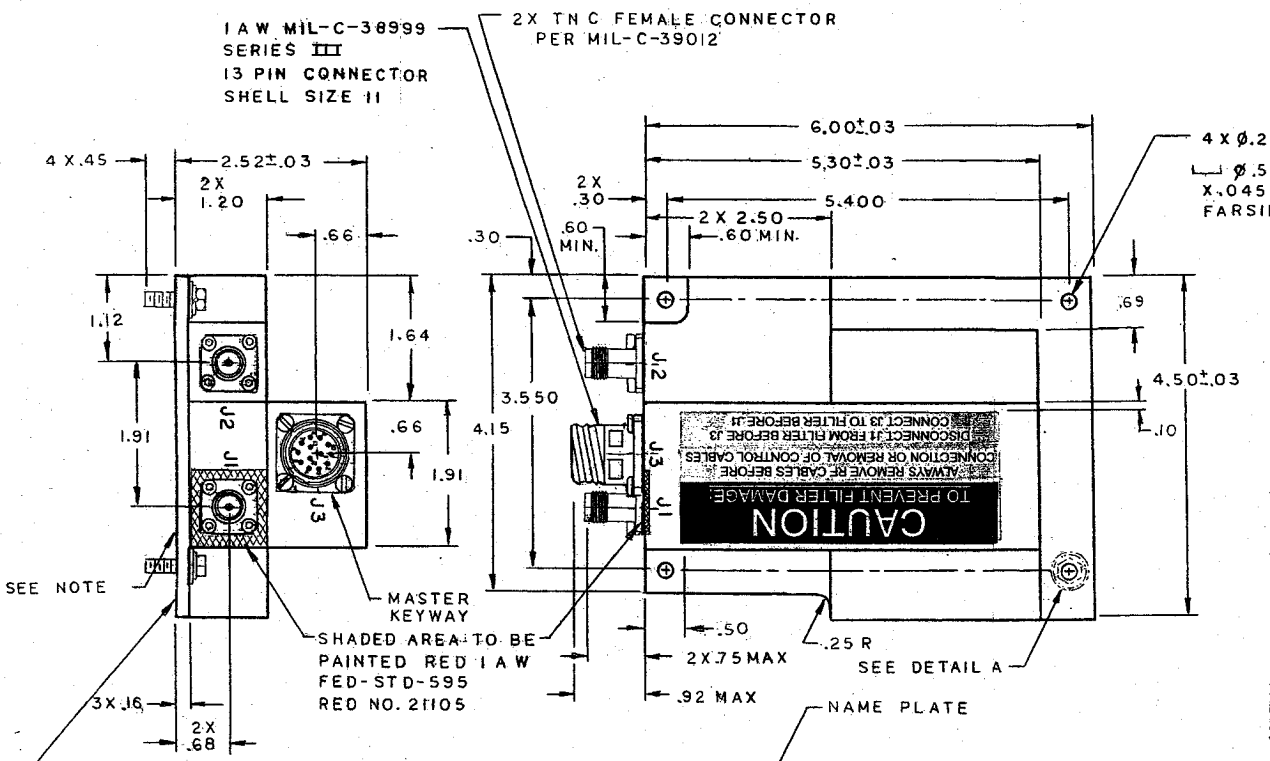
REVISIONS					
ZONE	LTR	ECN NO.	DESCRIPTION	DATE	APPROVED



63531A-1A

TYPE:	SWITCHED NOTCH FILTER ASSEMBLY
MINIMUM PASSBAND (TDMA):	960-1000, 1061-1215 MHz
MINIMUM PASSBAND (TACAN)	960 – 1215 MHz
AVERAGE PASSBAND INSERTION LOSS	
TDMA:	2.5 dB
TACAN:	1.5 dB
MINIMUM STOPBAND:	1023 – 1037 MHz
MINIMUM STOPBAND REJECTION:	50 dB
MAXIMUM 4 dB STOPBAND:	1008 – 1053 MHz
MINIMUM 10 dB STOPBAND:	1016 – 1041.5 MHz
MINIMUM 15 dB STOPBAND	1019 – 1039 MHz
MINIMUM 20 dB STOPBAND:	1021 – 1039 MHz
MINIMUM 30 dB STOPBAND:	1022 –1037 MHz
MINIMUM 40 dB STOPBAND:	1022.5 – 1037 MHz
VSWR:	2.2:1 MAX, 2.0:1 OVER AT LEAST 80% BAND
AVERAGE PASSBAND GROUP DELAY:	15 NANOSEC MAX
POWER HANDLING (TDMA):	200 W PEAK, 75% TIME SLOT DUTY FACTOR
POWER HANDLING (TACAN):	500 W PEAK, 1% TIME SLOT DUTY FACTOR
PRIME POWER REQUIREMENT:	28 VDC +1.5/-2.0 VDC 100 MA MAX.
SWITCH COMMAND	
TDMA MODE SELECT:	12± 2 V
TACAN MODE SELECT:	< 8 V
TRANSITION TIME:	2.0 MICROSEC MAX
LOAD IMPEDANCE:	93 OHMS ± 10%
ENVIRONMENTAL SPECIFICATIONS	
TEMPERATURE	
OPERATING:	-40° TO +86° C
STORAGE:	-62° TO +95° C
ALTITUDE:	70,000 FT
SHOCK:	PER MDC A3376
VIBRATION:	PER MDC A3376, SECT 3.3
ACCELERATION:	PER PS 74-870269, SECT 4.2
EXPLOSIVE ATMOSPHERE:	MIL-STD-810, METH 511.1
EMI:	MIL-STD-461C CE03, CE06, CE07, CS01, CS02, CS04, CS06, RS02, RE02, RS03 TAILORED.
LIGHTNING PROTECTION ON INPUT	

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 SILVERPLATE 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 LBS. 5 OZ.
4. BREAK ALL SHARP EDGES

Pin Definition

J1	RF in
J2	RF out
J3-1	Command Return
J3-2	Shield Return ground
J3-6	Status Output
J3-10	Command Input
J3-12	28 Volt Return
J3-13	+28 Volt Input

NEXT ASSY	USED ON

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

PROPRIETARY DOCUMENT
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	SIGNED	DATE
DRAWN	HB	3-1-06
CHECKED	[illegible]	3-1-06
E.E. APP'D		
M.E. APP'D	[illegible]	3-1-06
Q.A. APP'D	HB	3-1-06
JOB NO.		

RS MICROWAVE COMPANY, INC.
22 PARK PLACE, P.O. BOX 273 BUTLER, NEW JERSEY 07405
973-492-1207 FSCM 61453

TITLE OUTLINE WITH ELECTRICAL SPECIFICATIONS

SIZE	CODE IDENT. NO.	DWG. NO.	REV.
C	61453	63531A-1A-4	

SCALE NONE SHEET OF