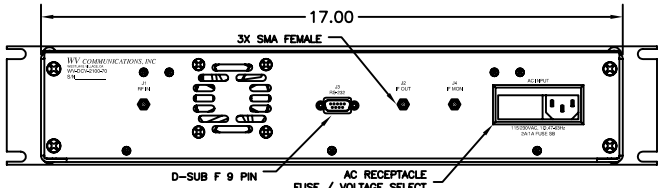
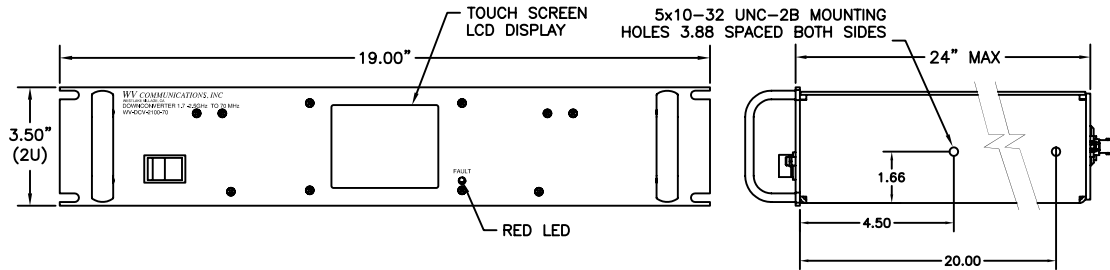


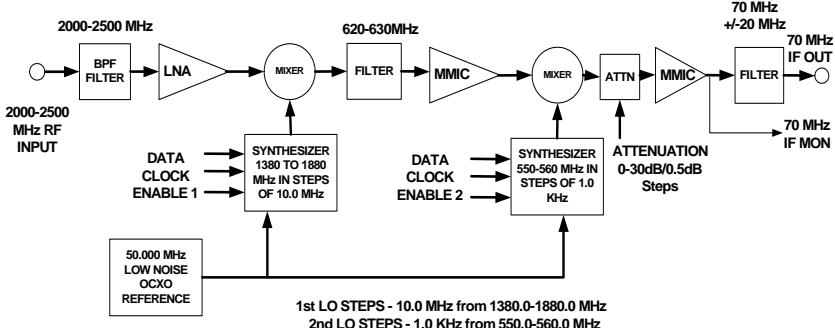
**** PROPRIETARY DATA ****
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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	PRELIMINARY RELEASE		

D



C



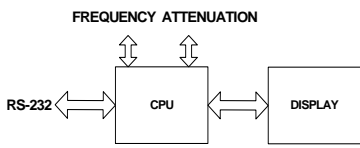
RF INPUT FREQUENCY: 2000-2500MHz
 LO FREQUENCY STEPS: 1.0KHz
 LO LEAKAGE: -80dBm Maximum
 IF OUTPUT RETURN LOSS: 20dB Minimum Ref 50 Ohm
 IF OUTPUT FREQUENCY: 70±20MHz
 IF OUTPUT POWER: +10dBm Minimum at 1 dB comp
 NOISE FIGURE: 12dB Maximum
 CONVERSION GAIN: 0-30dB Nominal
 GAIN ADJUSTMENT STEPS: 0.5dB Nominal
 IMAGE REJECTION: 80dB Minimum
 LEVEL STABILITY: ±0.25dB / day Maximum
 AM PLITUDE RESPONSE: ±0.25dB/±20MHz Maximum
 FREQUENCY SELECTION: Via Front Panel Switches / Remote RS-232
 LO STABILITY: Within ±2X10⁻⁸ over 0-50° ±5X10⁻⁷/day Maximum
 GROUP DELAY (±18MHz): ±0.03ns/MHz Maximum Linear ±0.01ns/MHz Maximum Parabolic 1ns Pk-Pk Maximum ripple
 3rd ORDER INTERCEPT POINT: -40dBc with 2ea 0dBm outputs
 AM to FM CONVERSION: 0.1*/dB Maximum to +5dBc
 GAIN SLOPE: 0.02dB/MHz Maximum
 SPURIOUS OUTPUTS: -65dBc Maximum (signal related)

PHASE NOISE:

OFFSET	@ Noise dBc/Hz
10Hz	-55
100Hz	-75
1KHz	-90
10KHz	-90
100KHz	-100
1MHz	-110

WEIGHT: 20 Lbs. Maximum
 INPUT VOLTAGE: 85-264VAC ±10%, at 2/1A

B



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UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE:
 FRACTIONS DECIMALS ANGLES HOLES
 ± 1/64 .001 .01 ±0°30' .002
 .XXX .005 .XXX ±.001
 MACHINED FINISH: 32 RMS REMOVE BURRS .005 MAX

APPROVALS		DATE
DRAWN	G. GODDARD	12/10/00
CHECKED		
MECH ENGR		
ELEC ENGR		
P/PA		
APPROVED		
NEXT ASSEMBLY	USED ON	
APPLICATION	DO NOT SCALE DRAWING	

WV Communications 756-A LAKEFIELD RD. WESTLAKE VILLAGE, CA

DOWNCONVERTER
 2.0-2.5GHz to 70.0MHz
 DOWNC-2250-70

SIZE	CAGE CODE	DWG. NO.	REV
B	1GFQ7	050-50328	A
SCALE	NONE	SECRET	1 OF 1

30-0000-0010-001 001 001 001

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