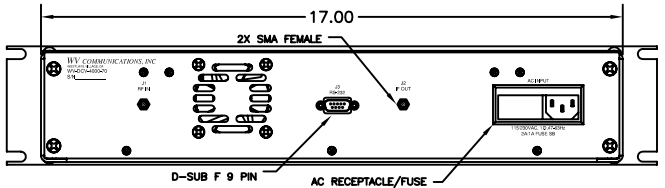
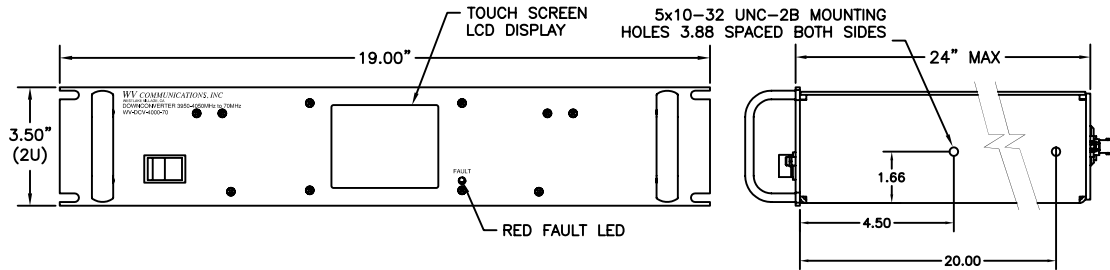


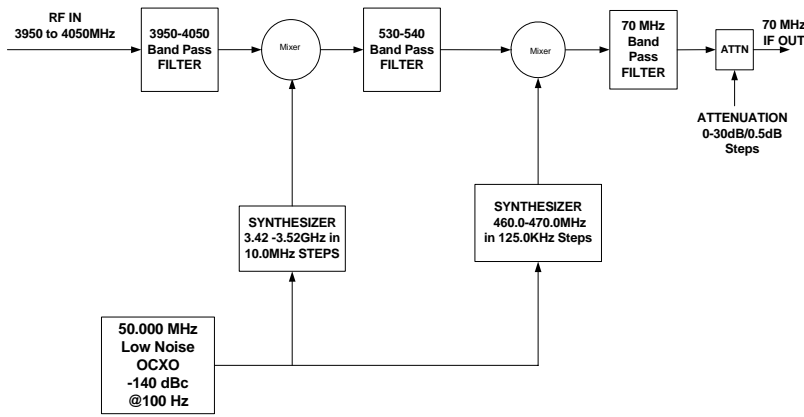
**** PROPRIETARY DATA ****
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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	PRELIMINARY RELEASE		

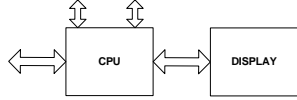
D



C



B



RF INPUT FREQUENCY RANGE: 3950.0-4050.0MHz
LO FREQUENCY STEPS: 125.0KHz
IF OUTPUT FREQUENCY: 70±20MHz
IF OUTPUT POWER: +10dBm Minimum at 1dB comp
LO LEAKAGE: -80dBm Maximum
RF INPUT RETURN LOSS: 15dB Minimum Ref 50 Ohm
CONVERSION GAIN: 0-30dB Nominal
GAIN ADJUSTMENT STEPS: 0.5dB Nominal
IMAGE REJECTION: 80dB Minimum
LEVEL STABILITY: ±0.25dB / day Maximum
AMPLITUDE RESPONSE: ±0.25dB/±20MHz Maximum
FREQUENCY SELECTION: Via Front Panel Switches / Remote RS -232
CARRIER STABILITY: Within ±2X10⁻⁹ over 0-55°
 ±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: -60dBc with 2ea — I0dBm 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	Maximum Noise dBc/Hz
10Hz	-75
100Hz	-80
1KHz-100KHz	-90
100KHz	-105

WEIGHT: 25 Lbs. Maximum
INPUT VOLTAGE: 115/230VAC ±10%, at 2/1A.
 47-63 Hz Auto select

A

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE:		APPROVALS	DATE
FRACTIONS	± 1/64	DRAWN	2/11/03
DECIMALS	±.01	CHECKED	
ANGLES	±0°30'	MECH ENGR	
HOLES	±.005	ELEC ENGR	
	±.001	P/PA	
	±.001	APPROVED	
MACHINED FINISH: 32 RMS REMOVE BURRS .005 MAX			
MATERIAL			
FINISH			
NEXT ASSEMBLY	USED ON		
APPLICATION			
DO NOT SCALE DRAWING			

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

DOWNCONVERTER
 3950.0-4050.0MHz to 70.0MHz
 WV-DCV-4000-70

SIZE	CAGE CODE	DWG. NO.	REV
B	1GFQ7	050-50275	B
SCALE	NONE	SHEET	1 OF 1

4

3

2

1

30-0000-0010-001