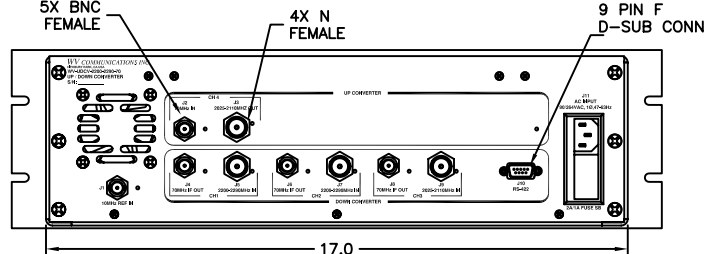
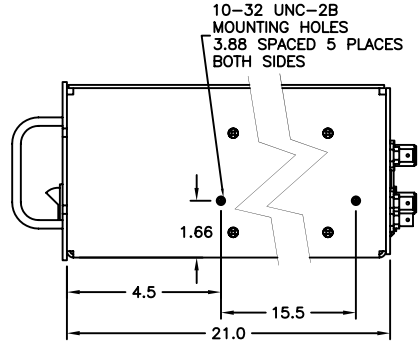
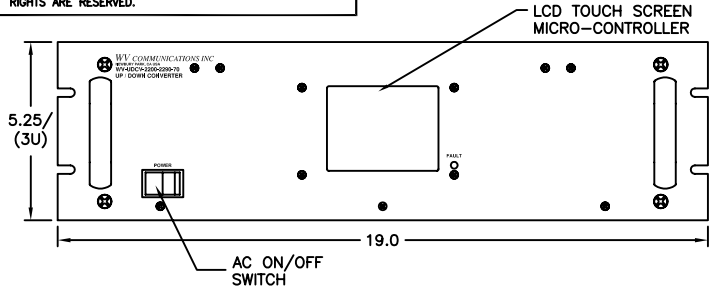


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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	RELEASE	09/18/03	JM

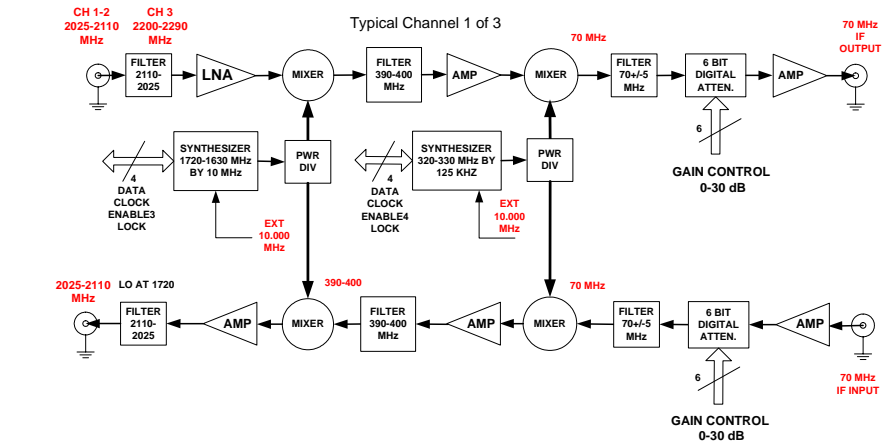


(2) Down-RF Input Frequency Range: 2200.0 to 2290.0MHz
 (1) Down-RF Input Frequency Range: 2025.0 to 2110.0MHz
 (0) Up-RF Input Frequency Range: 70MHz +/- 5MHz
 Down-IF Output Frequency: 70 +/- 5 MHz
 Up-Output Frequency: 2025.0 to 2110.0MHz
 LO Frequency Tuning Increments: 125.0 KHz increments
 Input and Output VSWR: 1.5:1 Maximum
 Input and Output Impedance: 50 Ohms nominal
 Down-Gain (RF to IF): 45dB Minimum
 Up-Gain (IF to RF): 30dB Minimum
 Gain Adjustment Steps/Range: 0.5dB Nominal/30dB Minimum
 LO Leakage: -70 dBm Maximum
 Noise Figure: 15dB Maximum
 RF Output 1dB Comp Point: +10dBm Minimum
 LO Frequency Stability: Per External Reference
 External Reference: 10MHz @ 0dBm
 Phase Noise:

Offset	Maximum
10 Hz	-40dBc/Hz
100 Hz	-50dBc/Hz
1 KHz	-60dBc/Hz
10 KHz	-70dBc/Hz
100 KHz	-100dBc/Hz
1 MHz	-120dBc/Hz
10 MHz	-135dBc/Hz Min

*Based on Instrument Grade with 10.000MHz Reference with Typical Phase Noise:
 1Hz: -70dBc/Hz Min
 10Hz: -100dBc/Hz Min
 100Hz: -125dBc/Hz Min
 1000Hz: -135dBc/Hz Min

Image Rejection: 70 dB Minimum
 Spurious Outputs: 60dBc Maximum (Signal Related)
 Remote Control: Via RS-422
 Local Control: Via Front Panel Touch Screen LCD
 Temp Non-Operating: -30 to +55C
 Temp Operating: 0 to +50C
 Input Power/Frequency: 85-265VAC Auto-range, 3 Amp Maximum, 47-63Hz



J10 PIN	9 PIN FEMALE D-SUB NOMENCLATURE
1	GROUND
2	Rx+
3	Tx+
4	SPARE
5	GROUND
6	SPARE
7	Rx-
8	Tx-
9	SPARE

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE:	
FRACTIONS	DECIMALS ANGLES HOLES
± 1/64	.XX±.01 20°±0° .XX±.005
	.XXX±.005 .XXX±.001
MACHINED FINISH: 32 RMS REMOVE BURRS .005 MAX	
MATERIAL	
FINISH	
900-50125	
NEXT ASSEMBLY	USED ON
APPLICATION	DO NOT SCALE DRAWING

APPROVALS	DATE
DRAWN G. GODDARD	18SEP03
CHECKED	
MECH ENGR	
ELEC ENGR	
P/PA	
APPROVED	

WV Communications 1176 Tourmaline Dr. Newbury Park, CA

UP/DOWN CONVERTER
 2200-2290 / 70MHz
 P/N WV-UDCV-2200-2290-70

SIZE	CAGE CODE	DWG. NO.	REV
B	1GFQ7	050-50332	A

SCALE NONE SHEET 1 OF 1

D

C

B

A

D

C

B

A

4

3

2

1