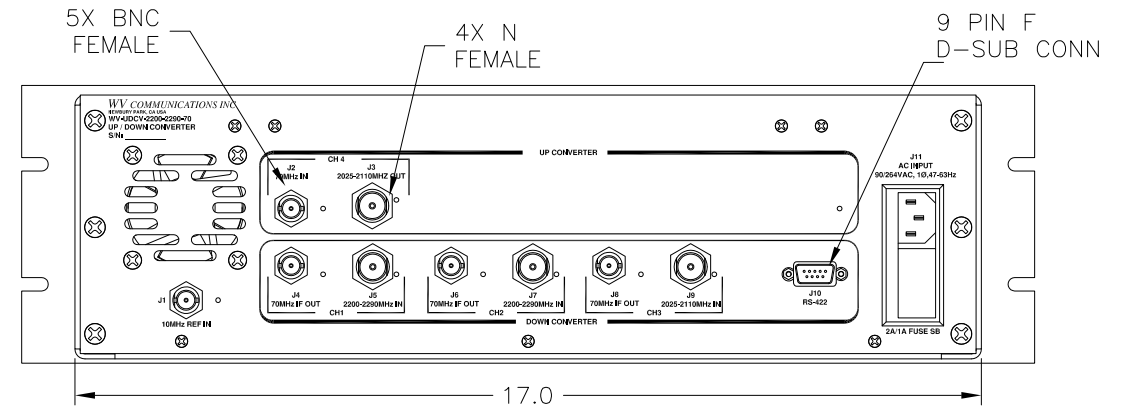
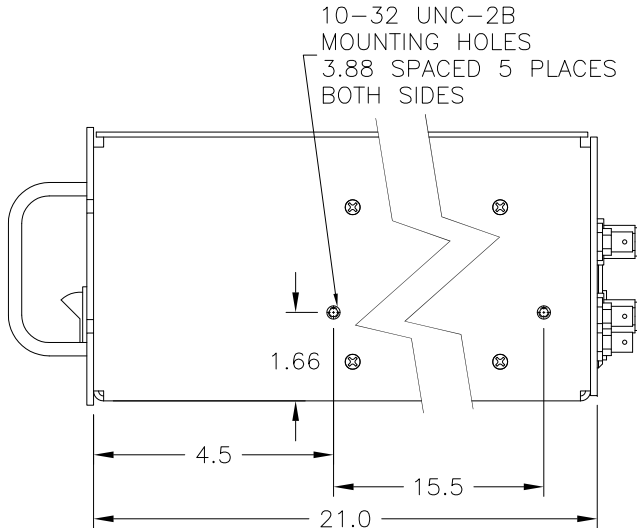
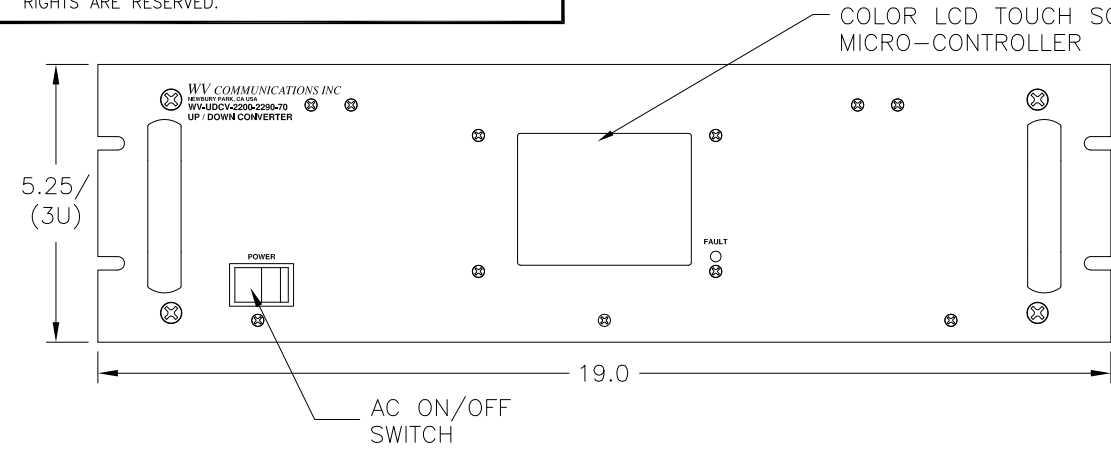


**** PROPRIETARY DATA ****
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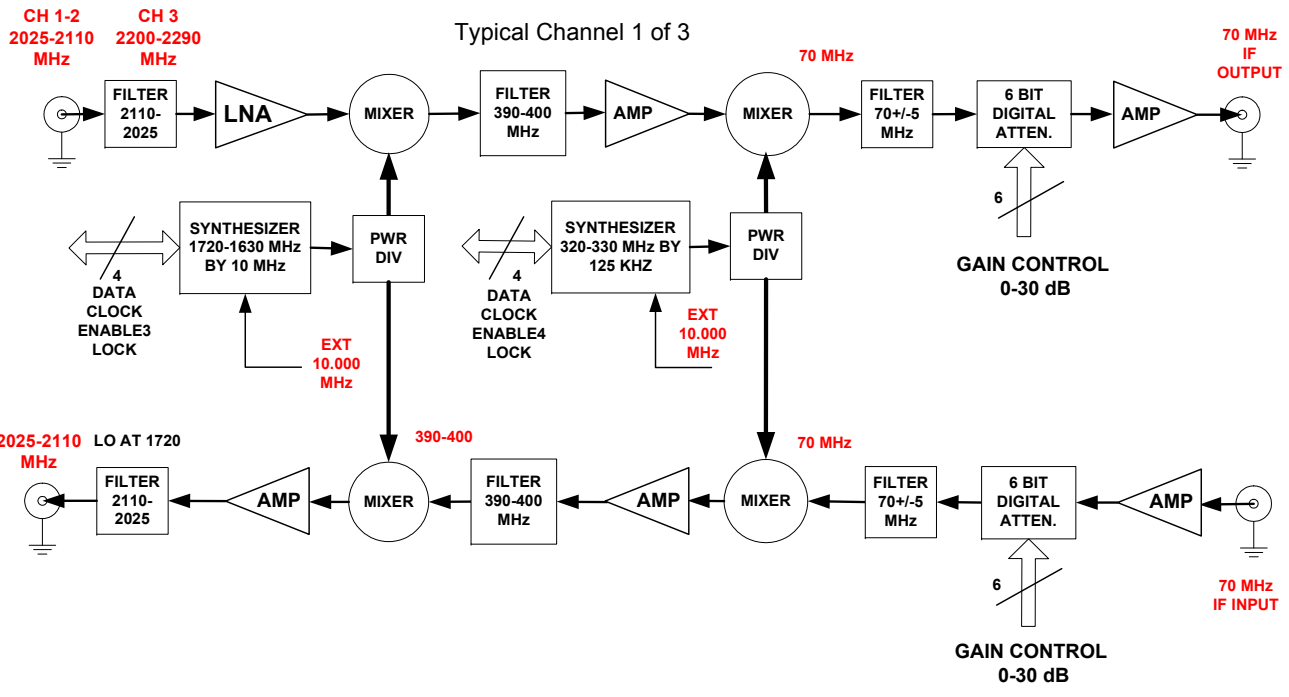
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	RELEASE	09/18/03	JM

D



D

C



(2) Down-RF Input Frequency Range: 2200.0 to 2290.0MHz
(1) Down-RF Input Frequency Range: 2025.0 to 2110.0MHz
(1) 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
Up input Level: -20dBm Linear Operation, -10dBm Without Damage, -35dBm Linear Operation, -25dBm Without Damage
Down input Level: 0.5dB Nominal/30dB Minimum, -70 dBm Maximum
Gain Adjustment Steps/Range: 15dB Maximum
LO Leakage: +10dBm Minimum
Noise Figure: Per External Reference 10MHz @ 0dBm
RF Output 1dB Comp Point: Offset Maximum
LO Frequency Stability: 10Hz: -40dBc/Hz, 100 Hz: -50dBc/Hz, 1 KHz: -60dBc/Hz, 10 KHz: -70dBc/Hz, 100 KHz: -100dBc/Hz, 1 MHz: -120dBc/Hz
Phase Noise: *Based on Instrument Grade 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, Single Phase

C

B

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

900-50125	USED ON
NEXT ASSEMBLY	APPLICATION

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE:
 FRACTIONS DECIMALS ANGLES HOLES
 ± 1/64 .XX±.01 ±0°30' .XX±.005
 .XXX±.005 .XXX+.003
 .XXX-.001
 MACHINED FINISH: 32 RMS REMOVE BURRS .005 MAX

APPROVALS	DATE
DRAWN G. GODDARD	10/18/2003
CHECKED	
MECH ENGR	
ELEC ENGR	
P/PA	
APPROVED	

WV Communications 1176 Tourmaline Dr. Newbury Park, CA

UP/DOWN CONVERTER
 UP CONV 1CH / DOWN CONV 3 CH
 2200-2290 / 2025-2110MHz / 70MHz

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

SCALE NONE SHEET 1 OF 1

DC-FORM-00015-3, REV. C, 06/98

A

A

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3

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