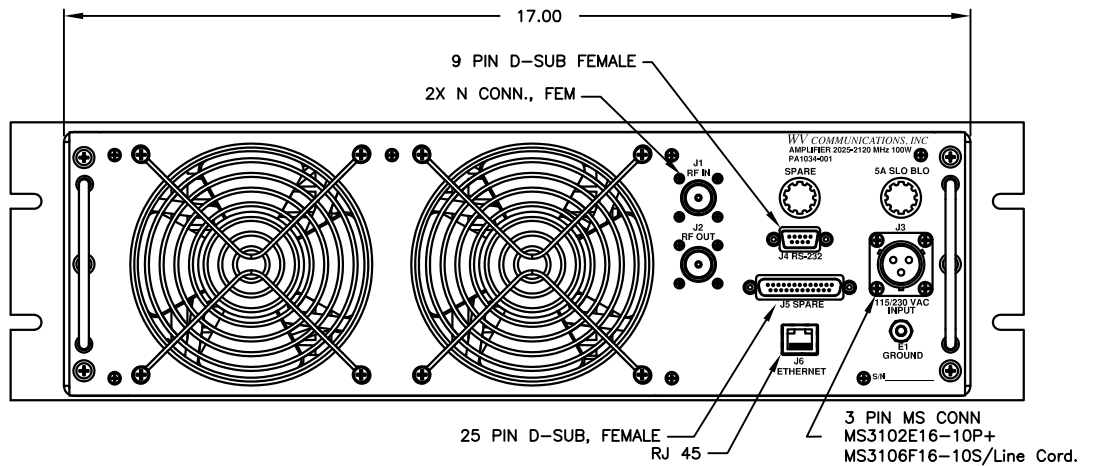
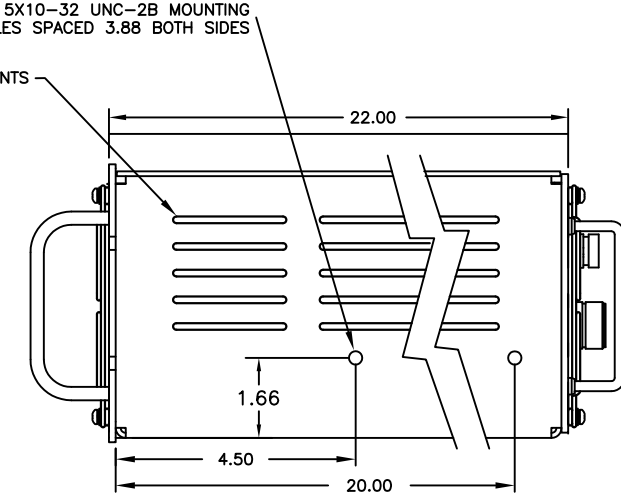
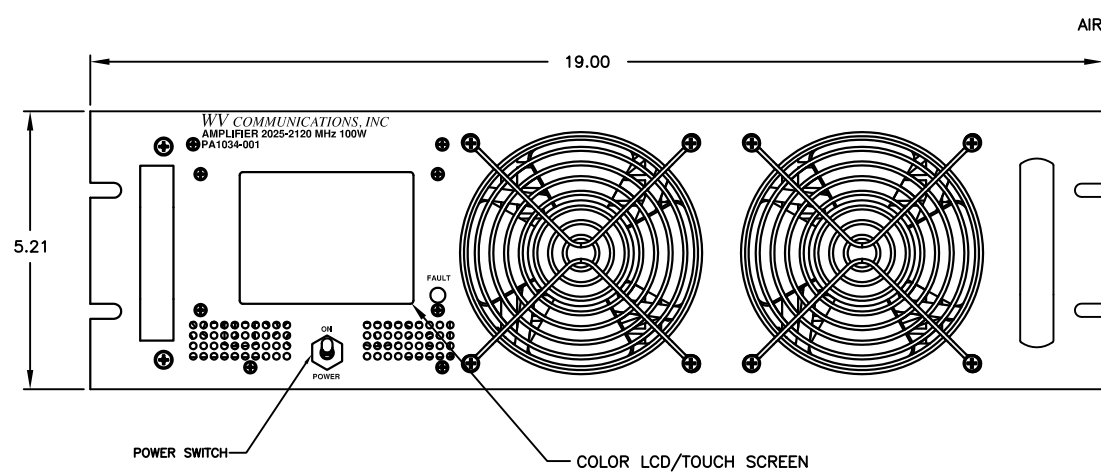


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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	RELEASED	02/21/15	TT



**OPERATING FREQUENCY RANGES:** 2025-2120MHz  
**RF OUTPUT POWER:** 100W (+50dBm) Minimum @P1dB Comp point into 2:1 Load VSWR  
**RF OUTPUT PROTECTION:** Internally protected to operate into to Open or Short Load at any Phase Angle without damage  
**GAIN:** 55dB Minimum @ 1dB Comp Point  
**GAIN ADJUSTMENT RANGE:** 0-30dB Minimum (Class AB Operation)  
**RF INPUT POWER:** 0dBm Nominal  
**RF INPUT POWER W/O DAMAGE:** +10dBm Maximum  
**SMALL SIGNAL GAIN FLATNESS:** ±1dB Maximum into 1.25:1 Load VSWR  
 ±0.5dB Maximum Over any 10MHz band  
**INPUT AND OUTPUT IMPEDANCE** 50Ω Nominal  
**INPUT VSWR** 2.0:1 Maximum  
**HARMONIC SIGNAL LEVELS** -60dBc Maximum over 2200-6075MHz  
 Built in High Power Low Pass Filter  
 -60dBc In-Band Maximum  
**SPURIOUS SIGNAL LEVELS:** Via Color Touchscreen LCD Display  
**LOCAL CONTROL:** Via RS-232C at 9.6-115KB,N,8,1, Ethernet UDP/IP (Both)  
**REMOTE CONTROL:** Linear (VVA), Auto Level Control (ALC)  
**OPERATION MODES:** Carrier On/Off Operation (STANDBY/ONLINE)  
**STANDARD FEATURES** Units in dB or Watts  
 Fault Indications  
 VSWR Settable Fault Indication  
 All Control/Monitor functions are available in Local/Remote  
 Operating 0 to +50°C  
**TEMPERATURE RANGES:** Forced air via integral Front Panel Intake and Rear Panel Exhaust Fans  
**COOLING REQUIRED:** Thermostat Shut-Off Indication at +85°C Drawer Heatsink Temperature  
**OVERTEMPERATURE PROTECTION:** 115/230 VAC at 550W Maximum  
**AC INPUT POWER AT PO 100W:**

Pin #	J3, AC IN Pin Designation
A	Line
B	Neutral
C	GND

Pin #	J4, RS232C Pin Designation
1	NC
2	RX
3	TX
4	NC
5	GND
6	NC
7	NC
8	NC
9	NC

Pin #	J6, Ethernet Pin Designation
1	TX+
2	TX-
3	RX+
4	NC
5	NC
6	RX-
7	NC
8	NC
9	NC

900-50255-001	PA1034-001
NEXT ASSEMBLY	USED ON
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  
 MACHINED FINISH: 32 RMS REMOVE BURRS .005 MAX

MATERIAL

FINISH

DO NOT SCALE DRAWING

APPROVALS	DATE
DRAWN TONY T.	02/21/15
CHECKED T.T.	02/21/15
MECH ENGR T.T.	02/21/15
ELEC ENGR U.Y.	02/21/15
PRODUCTION A.M.	02/21/15
Q.A. D.H.	02/21/15

**WV Communications** 1125 Business Center Circle  
 Newbury Park, CA

**AMPLIFIER**  
 2025-2120MHz 100W  
 MODEL PA1034-001

SIZE B	CAGE CODE 1GFQ7	DWG. NO. 050-50709-001	REV A
SCALE NONE		SHEET 1 OF 1	