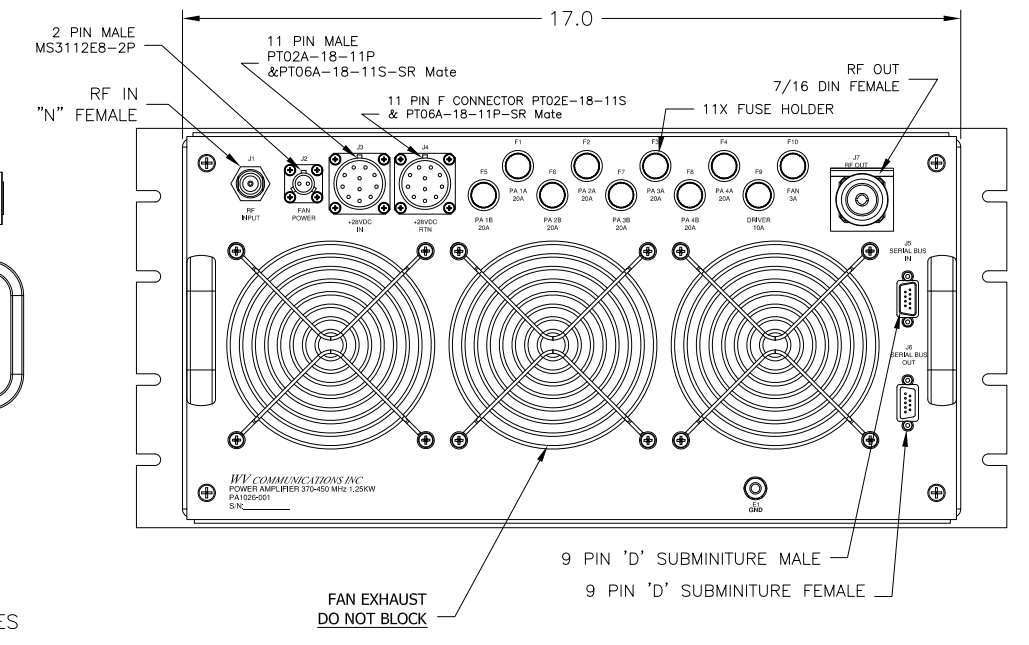
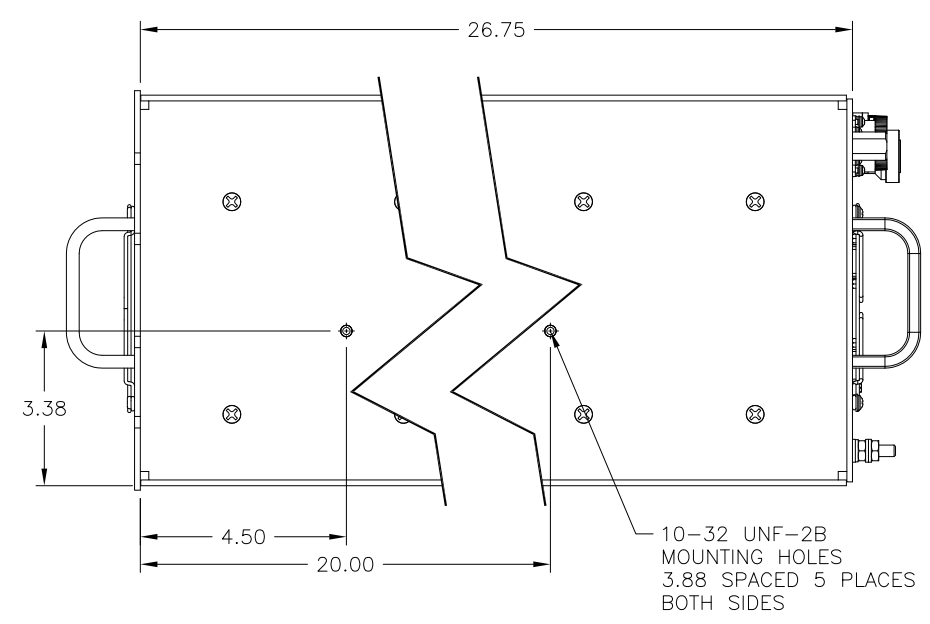
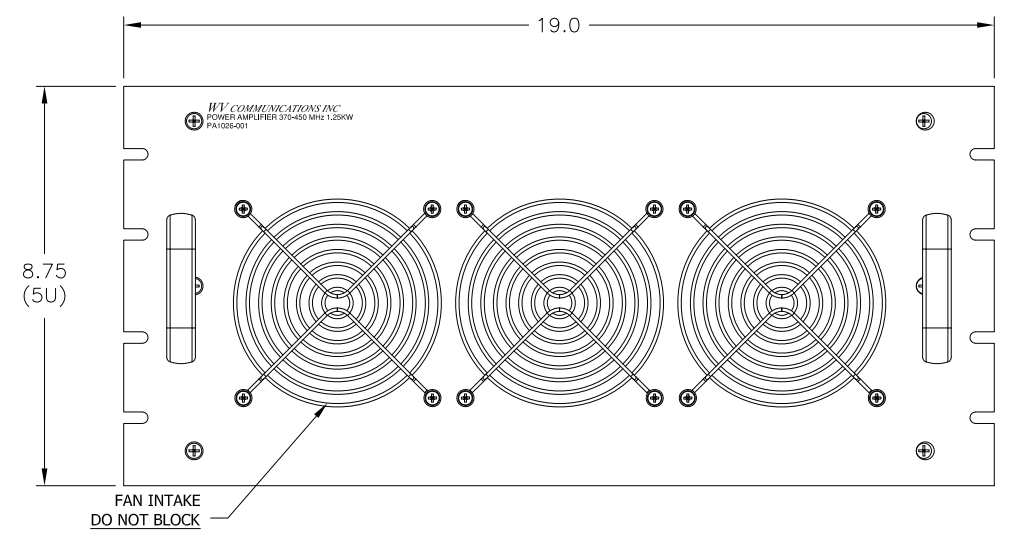


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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
A		RELEASED	4/18/2013	TT



J2	
PIN NO.	PIN NAME
A	+28V
B	GND

J3	
PIN NO.	PIN NAME
A	+28V FINAL 1A
B	+28V FINAL 2A
C	+28V FINAL 3A
D	+28V FINAL 4A
E	+28V FINAL 1B
F	+28V FINAL 2B
G	+28V FINAL 3B
H	+28V FINAL 4B
J	+28V DRIVER
K	
L	

J4	
PIN NO.	PIN NAME
A	+28V RTN
B	+28V RTN
C	+28V RTN
D	+28V RTN
E	+28V RTN
F	+28V RTN
G	+28V RTN
H	+28V RTN
J	+28V RTN
K	
L	

J5	
PIN NO.	PIN NAME
1	FWD DET PWR
2	SPARE
3	SPARE
4	GND
5	GND
6	RFL DET PWR OUT
7	DATA+
8	DATA-
9	ADDRESS

J6	
PIN NO.	PIN NAME
1	SPARE
2	SPARE
3	SPARE
4	SPARE
5	GND
6	SPARE
7	DATA+
8	DATA-
9	ADDRESS

SPECIFICATIONS SUMMARY

OPERATING FREQUENCY RANGES: 370-450MHz
RF OUTPUT POWER: 1.25KW Minimum at 1dB Compression
GAIN: 34dB Minimum
RF INPUT POWER WITHOUT DAMAGE: 0.5W Maximum
SMALL SIGNAL GAIN FLATNESS: ±1dB Maximum Into 1.25:1 Output Load VSWR
INPUT AND OUTPUT IMPEDANCE: 50Ω Nominal
INPUT VSWR: 2.0:1 Maximum (Ref 50Ω)
HARMONIC SIGNAL LEVELS: Integral Low Pass Filter
 -90dBc Maximum from 1100 – 2750MHz
 -55dBc Maximum
SPURIOUS SIGNAL LEVELS: -55dBc Maximum
RF POWER RSSI INDICATION: 1.275Vdc/10KΩ Load Nominal for both Forward and Reflected RF Level of 1KW
 Operating 0 to +50°C Storage -20 to +70°C
TEMPERATURE RANGES: Operating 0 to +50°C Storage -20 to +70°C
COOLING: Forced air via integral Front Panel Intake and Rear Panel Exhaust Fans
 MSL to 70,000 Ft
ALTITUDE: MSL to 70,000 Ft
DC INPUT POWER: +28Vdc at 90 Amps Maximum
FAN DC INPUT POWER: +24Vdc at 3 Amps Maximum
WEIGHT: 120 Lbs. Maximum
FRONT PANEL PAINT: Grey 26307 FED-STD-595A

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS DECIMALS ANGLES HOLES ± 1/64 .XXX.01 ±0°30' .XXX.005 .XXX.005 .XXX.003 .XXX.001 MACHINED FINISH: 32 RMS REMOVE BURRS .005 MAX		APPROVALS	DATE	WV Communications 1125A Business Center Circle Newbury Park, CA POWER AMPLIFIER DRAWER 370-450MHZ 1.25KW W/SERIAL INTERFACE WITH 7/16 DIN OUTPUT - PA1026-001
MATERIAL		DRAWN TONY T	4/18/2013	
FINISH		CHECKED TT	04/18/13	SIZE CAGE CODE DWG. NO. REV D 1GFQ7 050-50662-001 A
NEXT ASSEMBLY USED ON		MECH ENGR TT	04/18/13	
APPLICATION		ELEC ENGR JT	04/18/13	SCALE NONE SHEET 1 OF 1
DO NOT SCALE DRAWING		PRODUCTION AM	04/18/13	
		Q.A. WO	04/18/13	

DWG 050-50662-001 REV A