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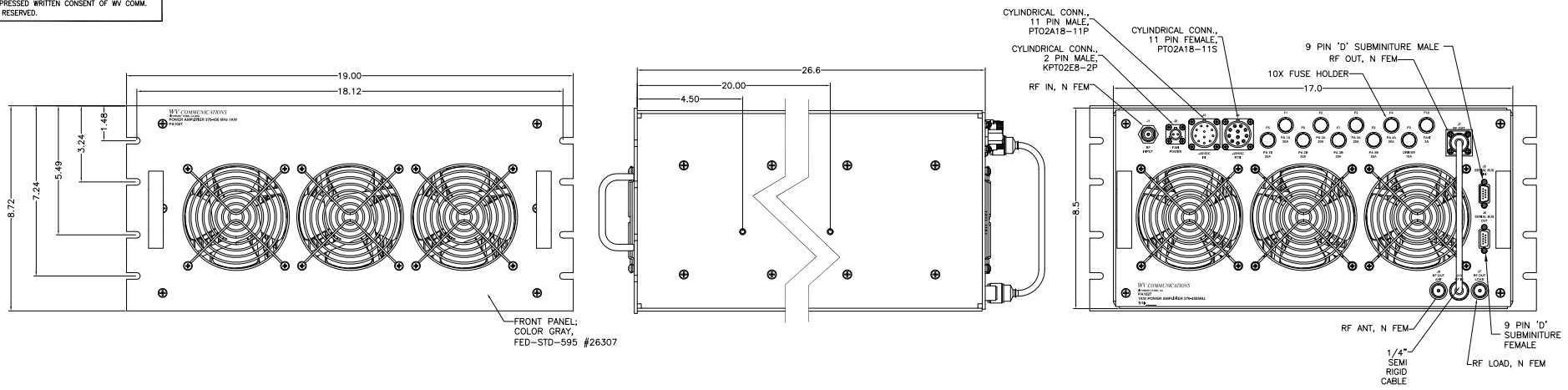
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	RELEASE	19DEC05	T.T.



J5 – SERIAL BUS IN	
PIN NO.	PIN NAME
1	FWD DET PWR
2	RELAY CTRL
3	RELAY IND
4	GND
5	GND
6	RFL DET PWR
7	DATA+
8	DATA–
9	ADDR

J6 – SERIAL BUS OUT	
PIN NO.	PIN NAME
1	SPARE
2	SPARE
3	SPARE
4	SPARE
5	GND
6	SPARE
7	DATA+
8	DATA–
9	SPARE

OPERATING FREQUENCY RANGES:	370-450MHz
RF OUTPUT POWER:	1KW Minimum 1dB Comp (1.3KW Typical)
GAIN:	34dB Minimum
RF INPUT POWER W/O DAMAGE:	0.5W Maximum
SMALL SIGNAL GAIN FLATNESS:	±1dB Maximum into 1.25:1 VSWR
INPUT AND OUTPUT IMPEDANCE	50Ω Nominal
INPUT VSWR	2.0:1 Maximum
HARMONIC SIGNAL LEVELS	-15dBc Maximum
SPURIOUS SIGNAL LEVELS:	-80dBc Maximum
RF POWER INDICATION:	1.275Vdc/10K Ohm Load for 1KW for both Forward and Reflected RF level
TEMPERATURE RANGES:	Operating 0 to +70°C
COOLING REQUIRED:	Via Front / Rear Forced Air Fans
THERMAL PROTECTION:	Thermostat contacts short when Baseplate temperature exceeds +77°C
DC INPUT POWER AT 1000W:	+28Vdc at 90 Amps Maximum (75 Amps Typical)
WEIGHT:	120 Lbs Maximum
FRONT PANEL COLOR:	FED-STD-595 Grey 26307

DWG NO. 050-50666 REV A

900-50227	
NEXT ASSEMBLY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS ± 1/64 DECIMALS XX±.01 XXX±.005 ANGLES ±2°30' HOLES XX±.005 XXX+.005 -.001
MACHINED FINISH: 32 RMS REMOVE BURRS .005 MAX
MATERIAL
FINISH
DO NOT SCALE DRAWING

APPROVALS		DATE
DRAWN	G. GODDARD	19DEC05
CHECKED	TONY T.	19DEC05
MECH ENGR	GG	19DEC05
ELEC ENGR	JT	19DEC05
PRODUCTION	AM	19DEC05
Q.A.	DB	19DEC05

WV Communications 1176 Tourmaline Dr. Newbury Park, CA

AMPLIFIER DRAWER 370-450MHz
WITH SPDT SWITCH AND SERIAL INTERFACE
PA1027

SIZE	CAGE CODE	DWG. NO.	REV
D	1GFQ7	050-50666	A

SCALE NONE SHEET 1 OF 1