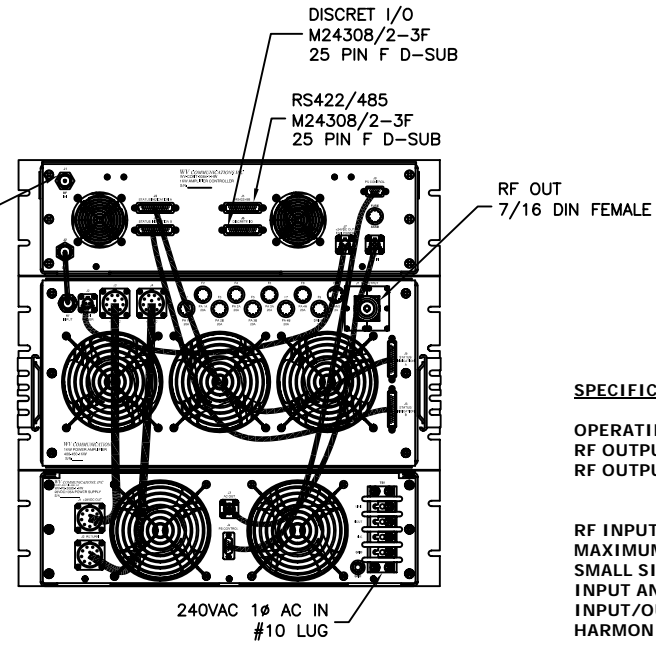
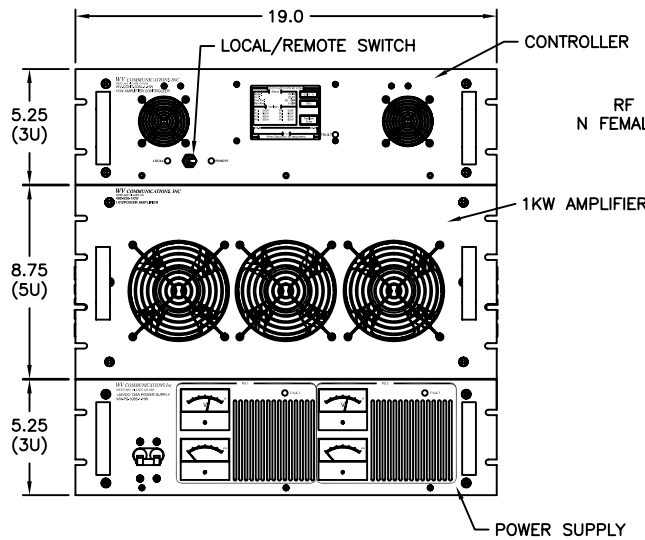


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REVISIONS				
NO.	REV.	DESCRIPTION	DATE	APPROVED
	A	PRELIMINARY RELEASE		
	B	ADDED MISSING FUSE	28JAN01	
	C	CHANGED CONTROLLER DISPLAY	4MAR02	

D



SPECIFICATIONS SUMMARY

OPERATING FREQUENCY RANGES: 400-450MHz
RF OUTPUT POWER: 1KW Min at 1dB Compression
RF OUTPUT PROTECTION: Integral Output Isolator protected No Oscillation at any Phase Angle at any Load Impedance
RF INPUT POWER: 0dBm +0/-3dBm
MAXIMUM RF INPUT POWER: +8dBm Maximum W/O Damage
SMALL SIGNAL GAIN FLATNESS: ±1dB Maximum Into 1.05:1 VSWR
INPUT AND OUTPUT IMPEDANCE: 50 Ohm Nominal
INPUT/OUTPUT VSWR: 2.0:1 Maximum (Ref 50 Ohm)
HARMONIC SIGNAL LEVELS: Integral Low Pass Filter
 -90dBc Maximum From 1425 – 2400MHz
 -30dBc Maximum Below 1425MHz
 -90dBc Maximum From 1425 – 2400MHz
 -60dBc Maximum Below 1425MHz
SPURIOUS SIGNAL LEVELS: 1% Maximum
HARMONIC DISTORTION: -80dBm/Hz
NOISE POWER OUTPUT: 1% Maximum
MODULATION DISTORTION: 1% Maximum
COOLING: Forced air via integral Front Panel Intake and Rear Panel Exhaust Fans
 Thermostat Shut-Off Indication at +77 Deg C
OVER TEMPERATURE PROTECTION: Deg C Heatsink Temperature
 Operating 0 to +50°C
TEMPERATURE RANGES: MSL to 70,000 Ft
ALTITUDE: 26.75" Maximum
CHASSIS DEPTH: 180-264VAC, 47-63Hz Single Phase at 3KVA Maximum
AC INPUT POWER: 180Lbs Maximum
WEIGHT: 180Lbs Maximum

B

A

APPROVALS DESIGNED BY: G. GOODARD CHECKED BY: DRAWN BY: DATE: 7JAN02		DATE: 7JAN02 WVCcommunications, 756-A LAKEFIELD RD. WESTLAKE VILLAGE, CA	
MATERIAL: PARTS: FINISH:		400-450MHz 1KW AMPLIFIER SYSTEM MODEL 400-450-1KW-HW	
NEXT ASSEMBLY: USED ON:	APPLICATION:	Dwg. No. 050-50157 Rev. 1 OF 1	Scale: NONE

8 7 6 5 4 3 2 1

050-50157

REV. 1 OF 1