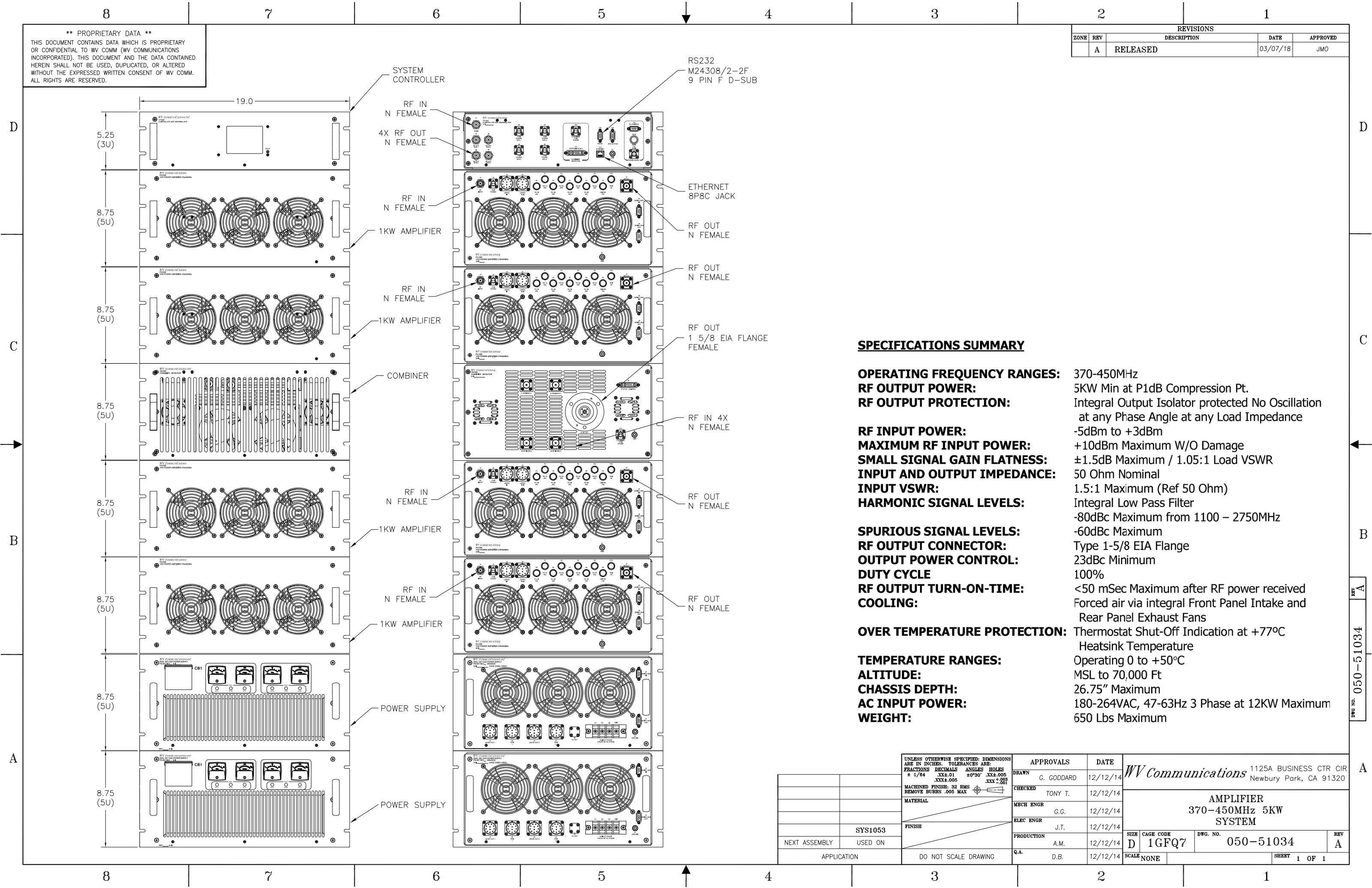


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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
A		RELEASED	03/07/18	JMO



SPECIFICATIONS SUMMARY

OPERATING FREQUENCY RANGES: 370-450MHz
RF OUTPUT POWER: 5KW Min at P1dB Compression Pt.
RF OUTPUT PROTECTION: Integral Output Isolator protected No Oscillation at any Phase Angle at any Load Impedance
RF INPUT POWER: -5dBm to +3dBm
MAXIMUM RF INPUT POWER: +10dBm Maximum W/O Damage
SMALL SIGNAL GAIN FLATNESS: ±1.5dB Maximum / 1.05:1 Load VSWR
INPUT AND OUTPUT IMPEDANCE: 50 Ohm Nominal
INPUT VSWR: 1.5:1 Maximum (Ref 50 Ohm)
HARMONIC SIGNAL LEVELS: Integral Low Pass Filter
 -80dBc Maximum from 1100 – 2750MHz
 -60dBc Maximum
SPURIOUS SIGNAL LEVELS: -60dBc Maximum
RF OUTPUT CONNECTOR: Type 1-5/8 EIA Flange
OUTPUT POWER CONTROL: 23dBc Minimum
DUTY CYCLE: 100%
RF OUTPUT TURN-ON-TIME: <50 mSec Maximum after RF power received
COOLING: Forced air via integral Front Panel Intake and Rear Panel Exhaust Fans
OVER TEMPERATURE PROTECTION: Thermostat Shut-Off Indication at +77°C
 Heatsink Temperature
TEMPERATURE RANGES: Operating 0 to +50°C
ALTITUDE: MSL to 70,000 Ft
CHASSIS DEPTH: 26.75" Maximum
AC INPUT POWER: 180-264VAC, 47-63Hz 3 Phase at 12KW Maximum
WEIGHT: 650 Lbs Maximum

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE: <small>FRACTIONS DECIMALS ANGLES HOLES</small> $\pm 1/64$.XXX.01 $\pm 0^{\circ}30'$.XX.005 .XXX.005 .XXX.003 .XXX.001 MACHINED FINISH: 32 RMS REMOVE BURRS .005 MAX		APPROVALS	DATE	WV Communications 1125A BUSINESS CTR CIR Newbury Park, CA 91320 AMPLIFIER 370-450MHz 5KW SYSTEM
		DRAWN G. GODDARD	12/12/14	
		CHECKED TONY T.	12/12/14	
		MECH ENGR G.G.	12/12/14	
		ELEC ENGR J.T.	12/12/14	
		PRODUCTION A.M.	12/12/14	
NEXT ASSEMBLY	USED ON	Q.A. D.B.	12/12/14	SIZE D CAGE CODE 1GFQ7 DWG. NO. 050-51034 REV A
APPLICATION	DO NOT SCALE DRAWING	SCALE NONE		SHEET 1 OF 1

REV A
 DWG NO. 050-51034