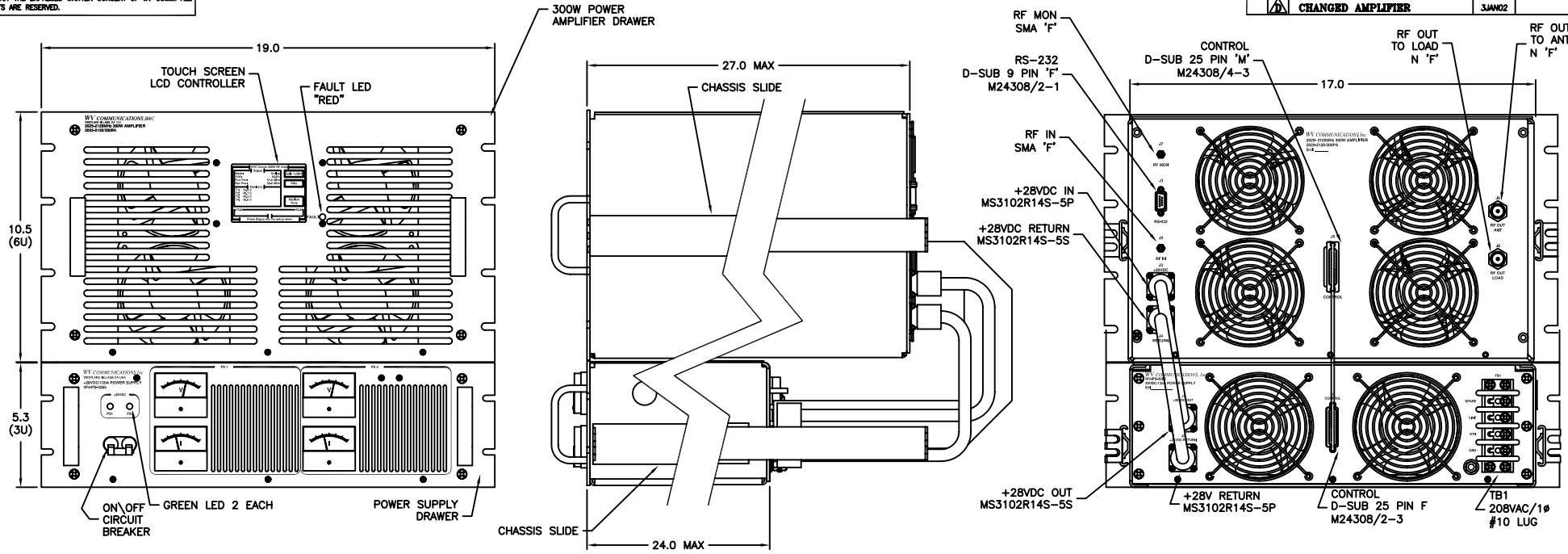
** PROPRIETARY DATA **
THIS DOCUMENT CONTAINS DATA WHICH IS PROPRIETARY OR CONFIDENTIAL TO WV COMM (WV COMMUNICATIONS INCORPORATED). THIS DOCUMENT AND THE DATA CONTAINED HEREIN SHALL NOT BE USED, DUPLICATED, OR ALTERED WITHOUT THE EXPRESSED WRITTEN CONSENT OF WV COMM. ALL RIGHTS ARE RESERVED.

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	PRELIMINARY RELEASE		
	C	MADE LAYOUT 2D	29OCT01	
	D	CHANGED AMPLIFIER	3JAN02	



Frequency Range:	2025 to 2120 MHz Nominal
RF Output Power @ 1 dB Compression Point:	300 Watts/54.77 dBm CW Minimum
RF Input Power:	1 mw/0 dBm Nominal – 2mw/3 dBm Maximum
RF Output Sample Port:	-40 dBc +/- 1.5 dB Maximum
Input Signals:	AM, FM & PM
Input VSWR:	1.5:1 typical - 2.0:1 Maximum
Load VSWR:	Infinity, Unconditionally Stable Amplifier will reduce output power with 3:1 VSWR to 50% of the rated output and shut down at 5:1 VSWR indicating alarms
Gain Flatness:	2 dB Maximum
Noise Figure:	10 dB typical – 12 dB Maximum
Attenuation Range:	20 dB Minimum
Attenuation Steps:	1.0 dB nominal
RF Output Connector:	Type "N" Female
Gain Fatness in any 1 MHz Band:	0.1dB Maximum
Gain Stability over any 24-hour period:	±0.5 dB Maximum
Signal to Noise Ratio in any 6 MHz bandwidth:	60 dB Minimum
Harmonics:	-80 dBc Minimum
Front Panel Controls/Indicators:	DC Voltage, Current, Forward/Reflected RF Power, RF Power Adjustment, Thermal Overload & Module Status/Fault
Remote Control RS-232C/IEEE488:	Forward/Reflected RF Power, RF Power Adjustment, Thermal Overload & Module Status/Fault
Color:	GRAY per MIL-STD-595 26307
Cooling:	Forced Air over Heat Sink Plenums via Integral Built-In Fans
Environmental:	
Non-Operating:	-40 to +85C
Operating:	0 to +50C
Input Power/Frequency:	208 VAC±10%, 47-63 Hz, Single Phase

P/N 2025-2120/300PA

NEXT ASSEMBLY	USED ON
APPLICATION	DO NOT SCALE DRAWING

APPROVALS		DATE
DRAWN	G. GODDARD	05JUL01
CHECKED		
ENGR ENGR		
MFG ENGR		
Q/RA		
APPROVED		

MATERIAL

FINISH

WV Communications 756-A LAKEFIELD RD. WESTLAKE VILLAGE, CA

OUTLINE
2025-2120MHz 300W AMPLIFIER SYSTEM
2025-2120/300W

SIZE	CAGE CODE	DWG. NO.	REV
D	1GFQ7	050-50117	D

SCALE NONE SHEET 1 OF 1

050-50117 D