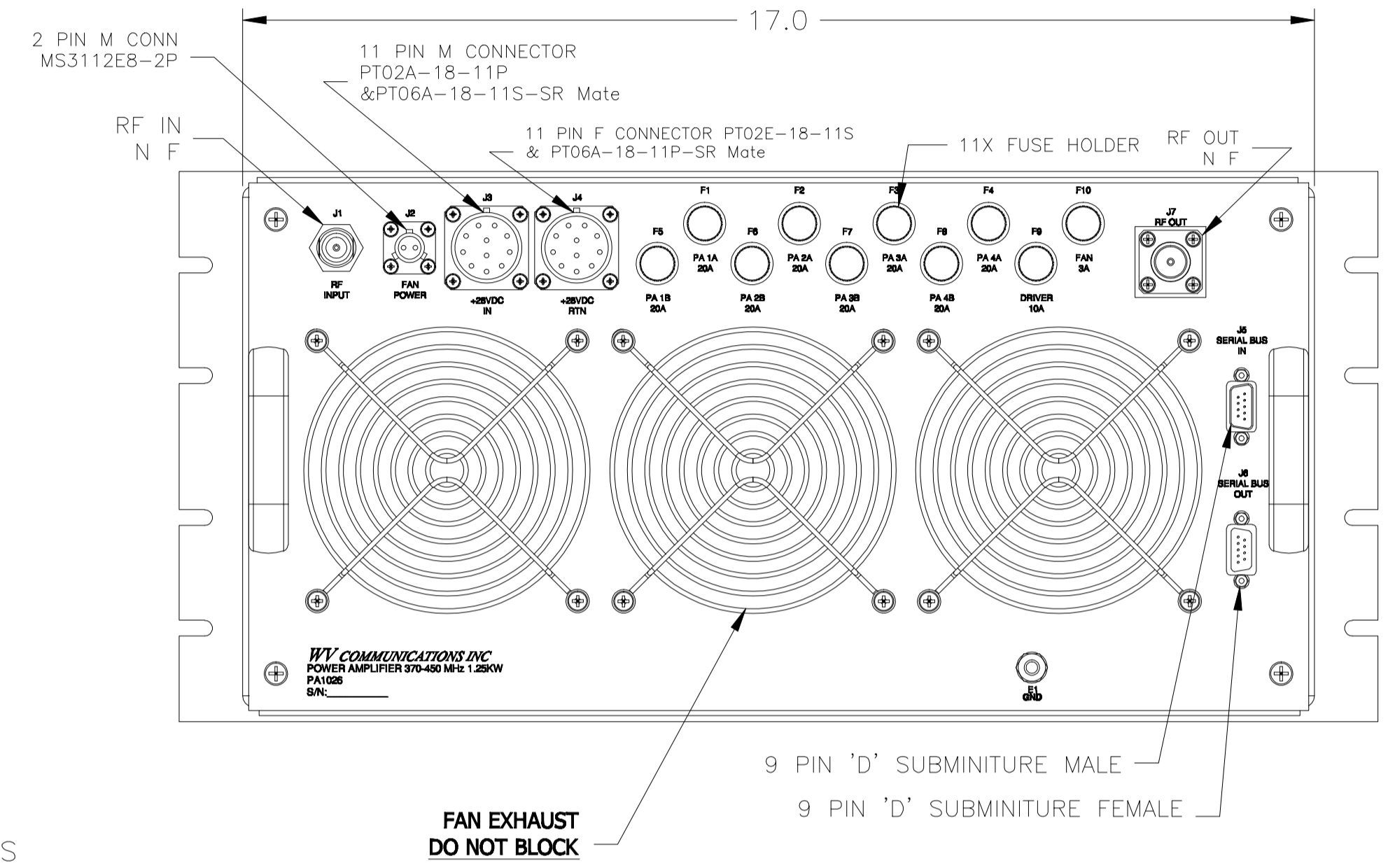
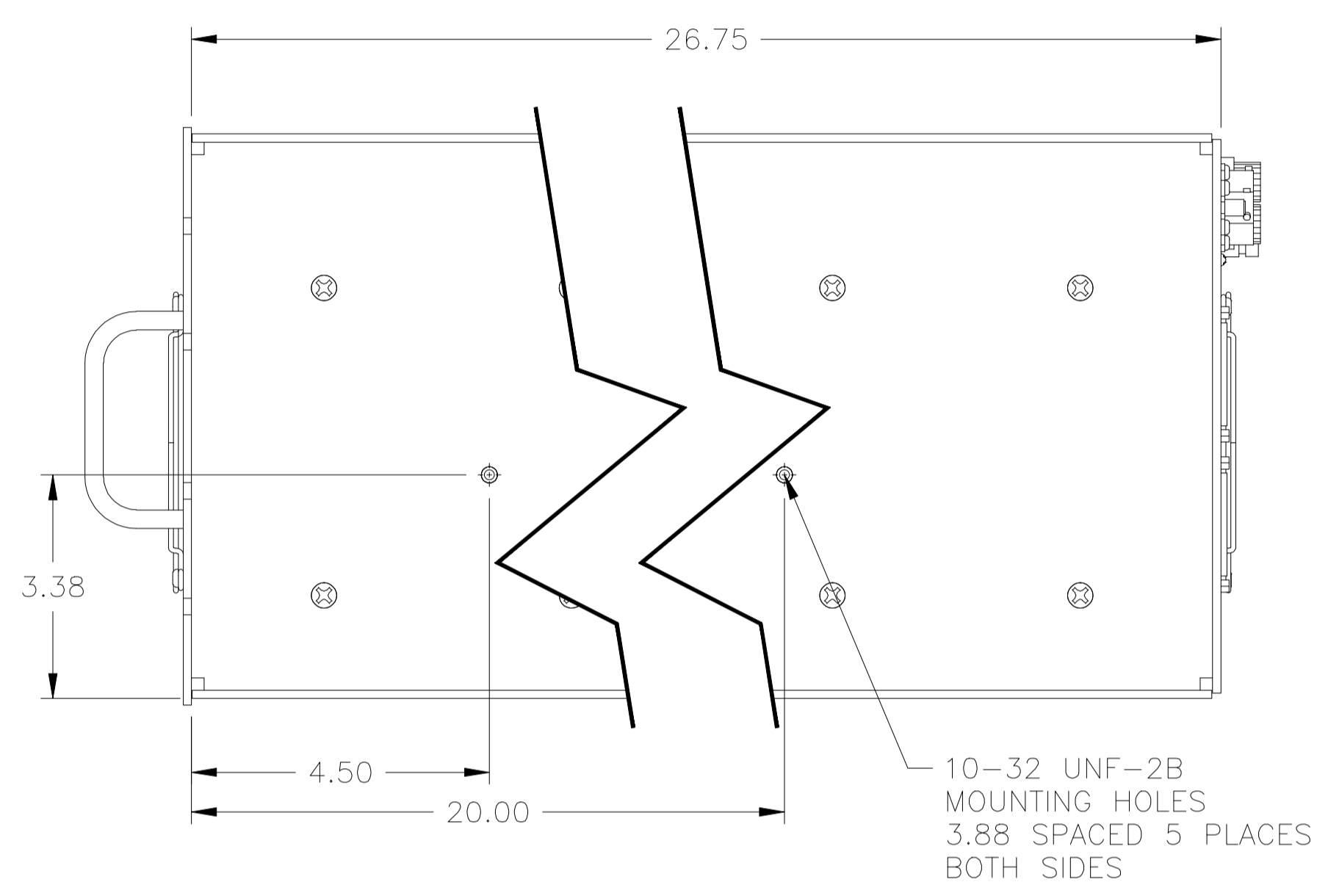
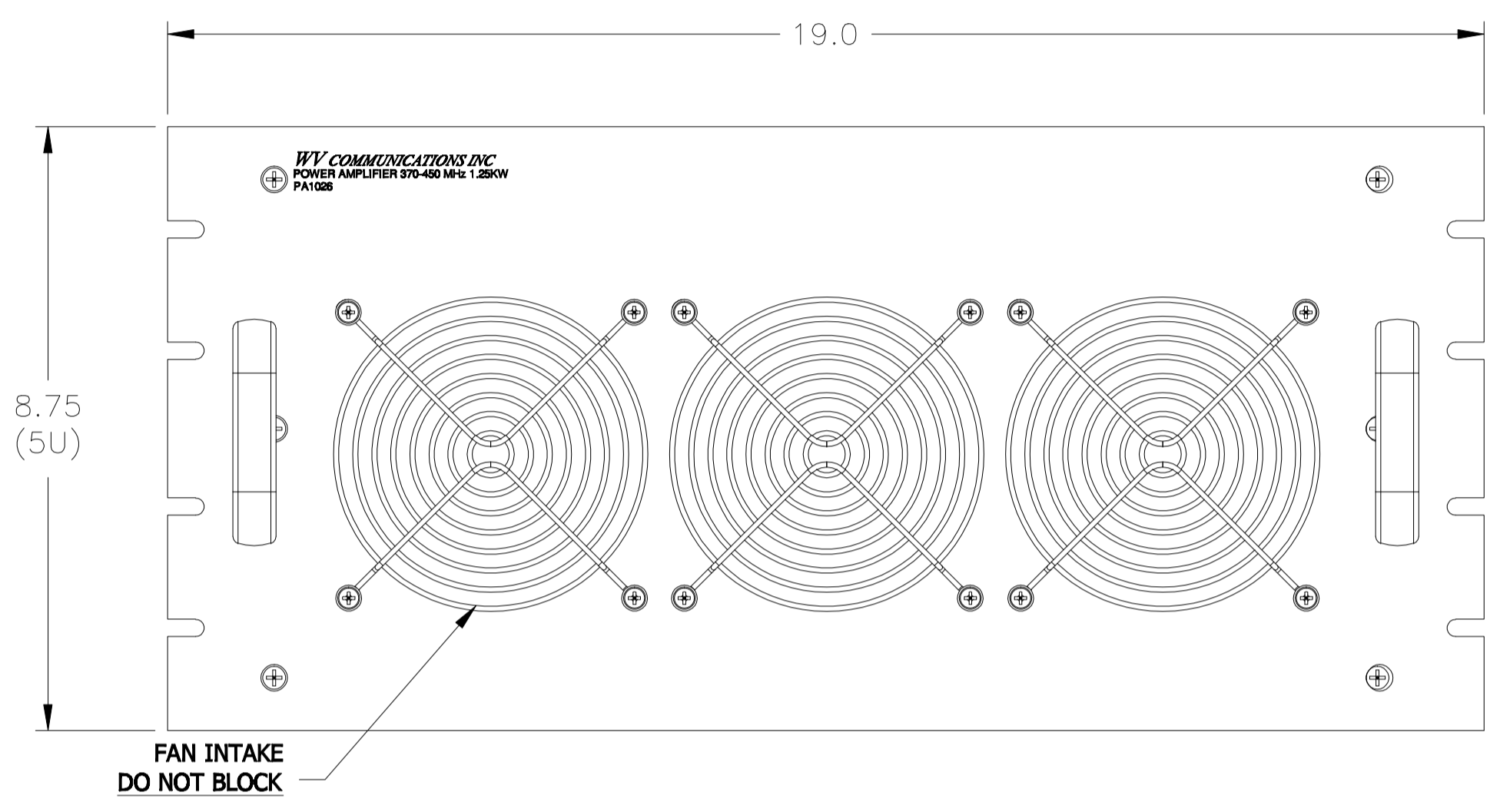


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| REVISIONS |     |                              |          |          |
|-----------|-----|------------------------------|----------|----------|
| ZONE      | REV | DESCRIPTION                  | DATE     | APPROVED |
|           | A   | RELEASED                     | 05/21/08 | GG       |
|           | B   | 1.25KW WAS 1KW, UPDATED TBLK | 10-03-12 | 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       | SPARE       |
| 5       | GND         |
| 6       | SPARE       |
| 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:**  
**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  
 Forced air via integral Front Panel Intake and Rear Panel Exhaust Fans  
**TEMPERATURE RANGES:** MSL to 70,000 Ft  
**COOLING:** +28Vdc at 90 Amps Maximum  
 +24Vdc at 3 Amps Maximum  
**ALTIMITUDE:** 120 Lbs. Maximum  
**DC INPUT POWER:** Grey 26307 FED-STD-595A  
**FAN DC INPUT POWER:**  
**WEIGHT:**  
**FRONT PANEL PAINT:**

|  |        |   |   |  |
|--|--------|---|---|--|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE:<br><small>FRACTIONS DECIMALS ANGLES HOLES</small><br><small>± 1/64 .XXX±.01 ±0°30' .XXX±.005</small><br><small>MACHINED FINISH: 32 RMS REMOVE BURRS .005 MAX</small> |        | APPROVALS   | DATE  | 1125A Business Center Circle<br>Newbury Park, CA                         |
| 900-50228  | PA1026 | DRAWN G.GODDARD<br>CHECKED TT<br>MECH ENGR GG<br>ELEC ENGR JT<br>PRODUCTION AM<br>Q.A. DB | 20MAY08<br>05/21/08<br>05/21/08<br>05/21/08<br>05/21/08 |  |
| APPLICATION  |        | DO NOT SCALE DRAWING  |   | POWER AMPLIFIER DRAWER<br>370-450MHZ 1.25KW W/SERIAL INTERFACE<br>PA1026 |
| NEXT ASSEMBLY USED ON  |        | SIZE D  | CAGE CODE 1GFQ7   | DWG. NO. 050-50662<br>REV B  |
|  |        | SCALE NONE  | SHEET 1 OF 1  |  |

REV B  
 DWG NO. 050-50662