

## Connectors and Mechanics

RF-Connector

SMA female

2 pin cable connector for supply voltage output stage • AMP MATE-N-LOCK

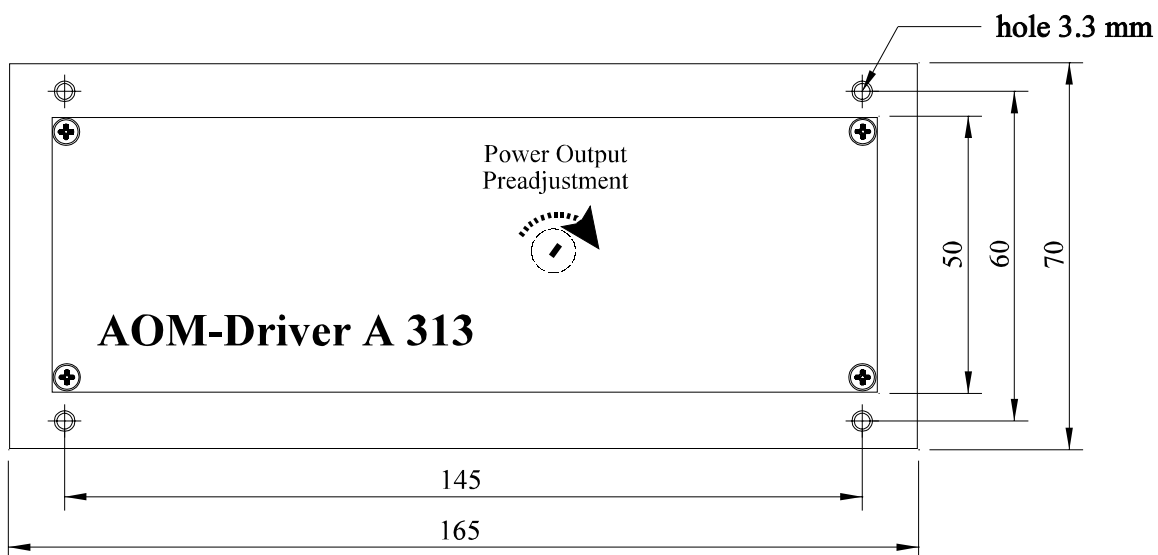
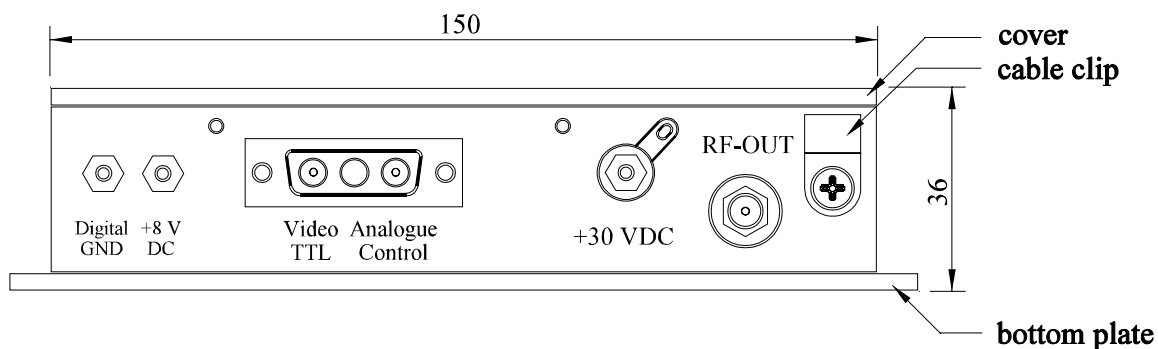
|       |       |        |
|-------|-------|--------|
| Pin 1 | GND   | blue   |
| Pin 2 | +30 V | yellow |

3 pin cable connector for supply voltage digital stage • AMP MATE-N-LOCK

|       |       |       |
|-------|-------|-------|
| Pin 1 | + 8 V | red   |
| Pin 3 | GND   | black |

Logic control connector

Cannon • D-Sub 3w3 female



## Test Sheet for A 313

Serial Number:

| Parameter  | Range/Limit  | Result checked   |
|--|--|--|
| Output frequency of driver                         | 175 MHz $\pm$ 0.02 %   | [f <sub>0</sub> ] .....  |
| Spectral purity                                    | < -60 dBc @ f <sub>0</sub> $\pm$ 75 MHz  | .....  |
| Harmonics  | < -40 dBc @ f <sub>0</sub> $\pm$ 150 Mhz<br>< -20 dBc @ f <sub>H</sub> = 350 MHz   | .....<br>.....   |
| Digital video input (TTL)                          | <ul style="list-style-type: none"> <li>logic <math>\uparrow\uparrow</math> • or open input</li> <li>logic <math>\downarrow\downarrow</math></li> </ul> | rf power on <input type="checkbox"/><br>rf power off <input type="checkbox"/>  |
| RF switch-on/switch-off time                       | < 5 nsec P <sub>RF</sub> : 10 ... 90 %   | <input type="checkbox"/>   |
| RF on-/off-ratio digital                           | > 50 dB at any output level  | .....  |
| Analogue video input voltage                       | 0 ... +5 volt<br>0 ... +1 volt<br>• analogue input open  | 600 $\Omega$ <input type="checkbox"/><br>50 $\Omega$ <input type="checkbox"/><br>rf power off <input type="checkbox"/> |
| RF on-/off-ratio analogue                          | > 30 dB  | .....  |
| RF power output level<br>Potentiometer preadjusted | <+25 ... >+33 dBm @ 50 $\Omega$<br>@ 1 (5) Volts   | max.: .....<br>1.5 watts .....   |
| Burn in  | active > 30 min<br>passive > 2 h   | <input type="checkbox"/><br><input type="checkbox"/>   |

Remarks

Date: .....

Tester: .....