

Connectors and Mechanics

RF-Connector

SMA female

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

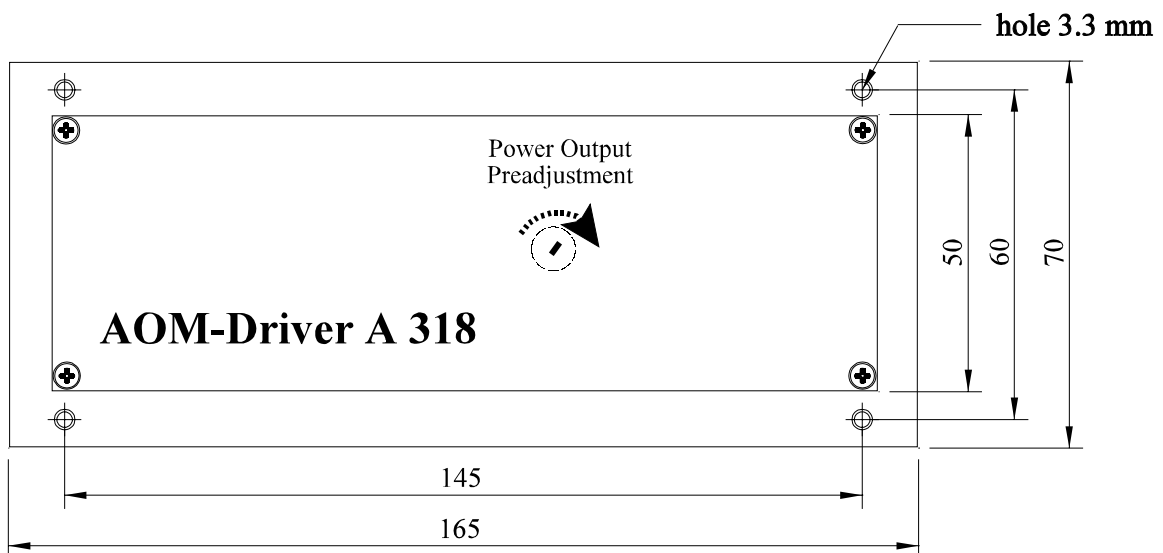
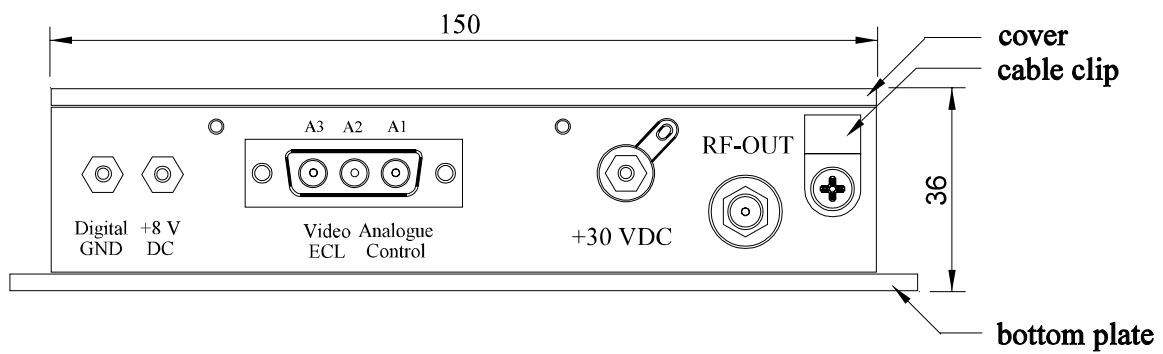
Pin 1	GND	blue
Pin 2	+30 V	yellow

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 318

Serial Number:

Parameter	Range/Limit	Result checked
Output frequency of driver	350 MHz \pm 0.02 %	[f ₀]
Spectral purity	< -60 dBc @ f ₀ \pm 300 MHz
Harmonics	< -20 dBc @ f _H = 700 MHz
Digital video input (ECL) Differential Positive 100 K	<ul style="list-style-type: none"> • A3 log \uparrow1\uparrow • A2 log \downarrow0\downarrow • A3 log \downarrow0\downarrow • A2 log \uparrow1\uparrow 	rf power on <input type="checkbox"/> rf power off <input type="checkbox"/>
RF switch-on/switch-off time	< 4 nsec P _{RF} : 10 ... 90 %	<input type="checkbox"/>
RF on-/off-ratio digital	> 50 dB at any output level
Analogue video input voltage	0 ... +5 volt 0 ... +1 volt • analogue input open	600 Ω <input type="checkbox"/> 50 Ω <input type="checkbox"/> rf power off <input type="checkbox"/>
RF on-/off-ratio analogue	> 32 dB
RF power output level	<+27 ... >+33 dBm @ 50 Ω	max.:
Potentiometer [if available]	preadjusted @ 1 (5) Volts	to 1.5 watts
Burn in	active > 30 min passive > 2 h	<input type="checkbox"/> <input type="checkbox"/>

Remarks

Date:

Tester: