

Linear Hybrid Amplifiers

For the system that needs it all, RTI has developed the RTSA series. This linear amplifier combines all the features found in the RTA-4, with closed loop AGC. To optimize closed loop operation, pulse width and PRF should be specified at time of order. Optional features available include IAGC, blanking and FTC. Please contact the factory for details on optional specifications.



Key Features

- 10-1000MHz Frequency Range
- MGC and Closed Loop AGC
- Low Noise

Design Note: Radar Technology can customize any of our products to meet your individual system requirements. RTI also offers many form, fit, function replacements to old RHG Electronics Amplifiers.

General Specifications

Gain Control	50dB (min)
Gain Control Voltage	0 to -4V (nom)
Source Impedance	50 Ohms
Video Load Impedance	93 Ohms
Temperature Range	-30°C to +71°C
Power Requirements	±15V DC
Connectors	SMA

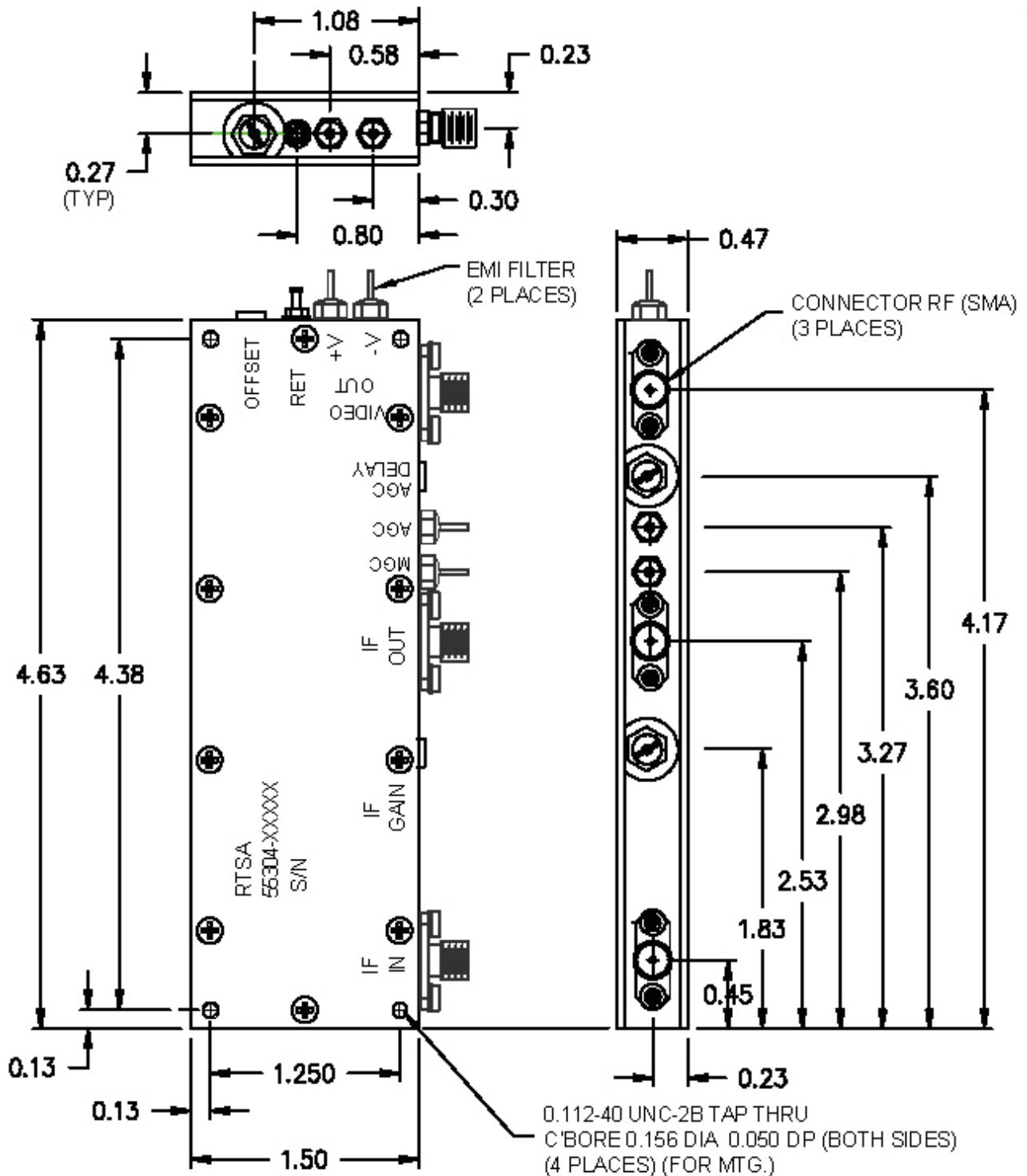
Optional Specifications

DC Coupled Video Output	(add suffix D)
Power Supplies	±12V DC (add suffix C)
Matched Set:(Gain/Phase)	2,3 units/set (add suffix M)

Specification Table

Model	Center Frequency (MHz)	Bandwidth (MHz)	Noise Figure (dB)	Dynamic Range (dB)
RTSA-1003	10	3	4	70
RTSA-3002	30	2	4	70
RTSA-3010	30	10	4	70
RTSA-6010	60	10	4	70
RTSA-6020	60	20	4	70
RTSA-7010	70	10	4	70
RTSA-7020	70	20	4	70
RTSA-12020	120	20	5	60
RTSA-12040	120	40	5	60
RTSA-16020	160	20	5	60
RTSA-16040	160	40	5	60
RTSA-300	300	200	5	60
RTSA-500	500	200	5	60
RTSA-750	750	300	5	60
RTSA-1000	1000	500	5	60

Outline Drawing



Notes:

1. Chassis and cover material : Aluminum alloy
2. Finish: Electroless Nickel per MIL-C-26074
3. All dimensions in inches

TOLERANCES ARE:
DECIMAL .XX ±.020
XXX ±.010