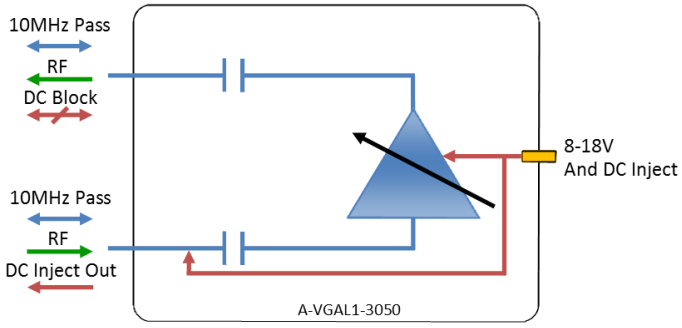
RF Components

Model Number:
A-VGAL1-3050

Variable Gain L-Band Amplifier

850 - 2150 MHz



- Variable gain amplifier
- 0 to 30 dB gain settable in 1dB steps
- Built in regulator
- All ports DC blocked & 10MHz pass
- DC injection on input port

Available with RF connector options:

- 50 Ω N-type

8-18V
External DC powering

Compact
Housed in rugged compact enclosure



850-2150 MHz
Operating frequency range. L-Band ready

Amplifier

RF Parameters		
A-VGAL1-3050-XXXX		N5N5
Frequency Range		850-2150 MHz
RF Connectors		50Ω N-Type
Gain (dB)	Typ.	0-30dB
Flatness ± (dB)		1.2
Input Return Loss (dB)	Typ.	20
	Min	15
Output Return Loss (dB)	Typ.	20
	Min	15
Output P1dB GCP** @Max Gain (dB)	Typ.	15
	Min	12
Output IP3 @Max Gain (dBm)	Typ.	30
Noise Figure @Max Gain (dB)	Typ.	8
**Gain Compression Point		

Broadcast



Marine Oil & Gas



SNG & VSAT

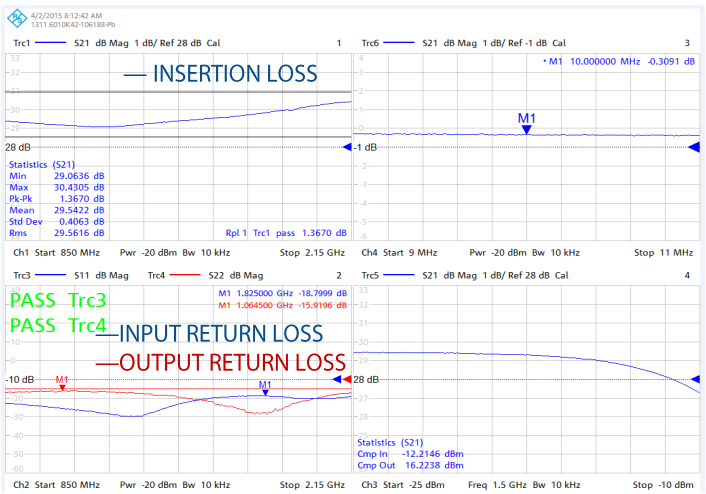


Satellite Teleport

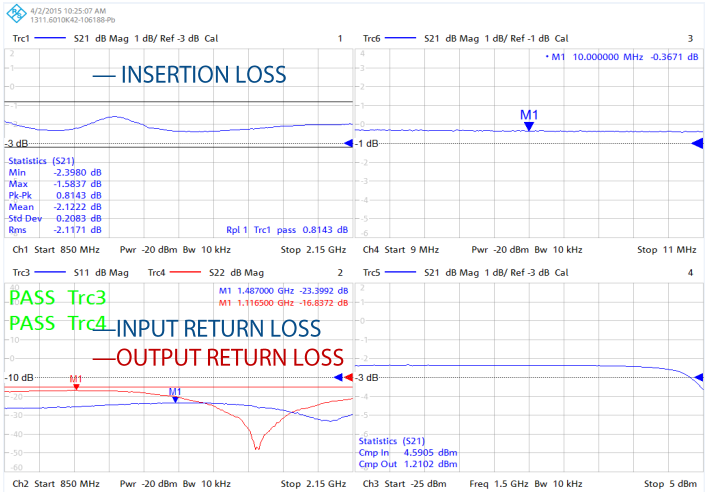


RF Components

Model Number:
A-VGAL1-3050
Variable Gain L-Band Amplifier



0dB Gain:



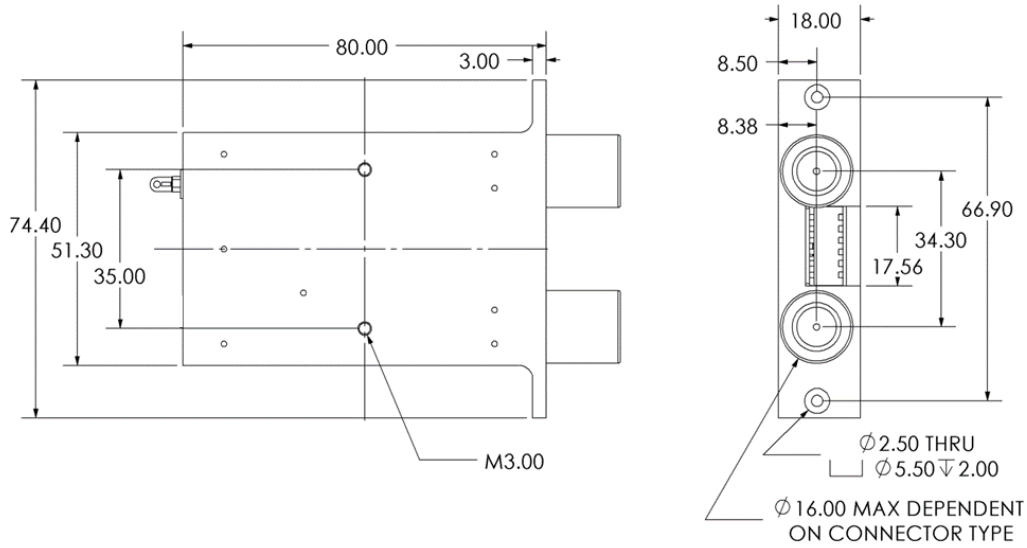
30dB Gain:

Environmental		
Operating Temperature		-10˚C to +65˚C
Storage Temperature		-20˚C to +85˚C
Location		Indoor use Only
Humidity	Max	85% non-condensing
Altitude	Max	10,000 feet

Max Operating Parameters	
Input RF Power	+24dBm (250mW) Max total RF power
DC Voltage	8-18V
DC Current	500mA Max for DC Pass and DC inject
DC Consumption	150mA Max

! Operation beyond these limits may cause instantaneous and permanent damage.

Physical Dimensions (mm)



Note: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved specification accuracy.

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