

Product Specification

CMILNA-847-1747-S 3 Channel Low Noise Amplifier

The CMILNA-847-1747-S is a broadband low noise amplifier incorporating three independently amplified channels in a common housing. The unit has a wide operating voltage range and each channel can be independently bypassed via control signals on the Interface port.

Electrical Specifications

No	Parameters	Specification
1	Frequency Range/Channel	700 to 2700 MHz
2	Gain	18 dB min
3	Return loss	10 dB min
4	Noise Figure	2 dB max
5	Impedance	50 Ohm
6	Operating Voltage	+7 to +28 VDC

Mechanical Specifications

No	Parameters	Specification
8	RF Connectors	SMA [6]
9	Interface Port Connector	9 Pin D-Sub
10	Size	53.98 mm x 79.38 mm x 12.7 mm
11	Operating Temperature	- 20 C to +50 C
12	Mounting Method	M3X0.5 [4]
13	Weight	Approx 0.25 kg

Interface Port Pin Out

Pin #	Name	Description	Specification	Signal Type
1	Return	Power and Signal Return	Ground	Output
2	Return	Power and Signal Return	Ground	Output
3	LNA3 Disable	Bypass Control for Channel 3	Normal= Not Connected Bypass= Pull Down to Ground	Input
4	VDD	DC Power Input	+7VDC to +28VDC	Input
5	VDD	DC Power Input	+7VDC to +28VDC	Input
6	NC	No Connect	N/A	N/A
7	NC	No Connect	N/A	N/A
8	LNA1Disable	Bypass Control for Channel 1	Normal= Not Connected Bypass= Pull Down to Ground	Input
9	LNA2 Disable	Bypass Control for Channel 2	Normal= Not Connected Bypass= Pull Down to Ground	Input

