

Features

- Frequency: 0.8~4.1GHz
- Gain: 35dB@0.8GHz, 45dB@4.1GHz
- Noise Figure: 0.9dB Typ.
- Supply Voltage: +8V~+15V@200mA
- RoHs compliant

Typical Applications

- Radar and ECM
- RF/ Microwave Radio
- Military and Space
- Test and Measurement
- Fiber Optics

General Description

SAC1192 is a low noise slopping amplifier module with a typical small signal gain of 35dB@0.8GHz, 45 dB Gain @ 4.1 GHz, and a nominal $OP_{-0.1dB}$ of +14dBm.

Electrical Performance

Parameter		Min.	Typ.	Max.	Units
Frequency Range		0.8~4.1			GHz
Gain	0.8GHz	—	35	—	dB
	4.1GHz	—	45	—	
	Gain@4.1GHz- Gain@0.8GHz	8	10	—	
S11		—	-20	-15	dB
S22		—	-18	-15	dB
S12		—	-80	-70	dB
Noise Figure		—	0.9	1.2	dB
Output Power for 0.1dB Compression ($OP_{-0.1}$)		14	—	—	dBm
Input stimulus		-60	—	-28	dBm
RF shielding		100	—	—	dB
Supply Current (I_D)		—	200	250	mA

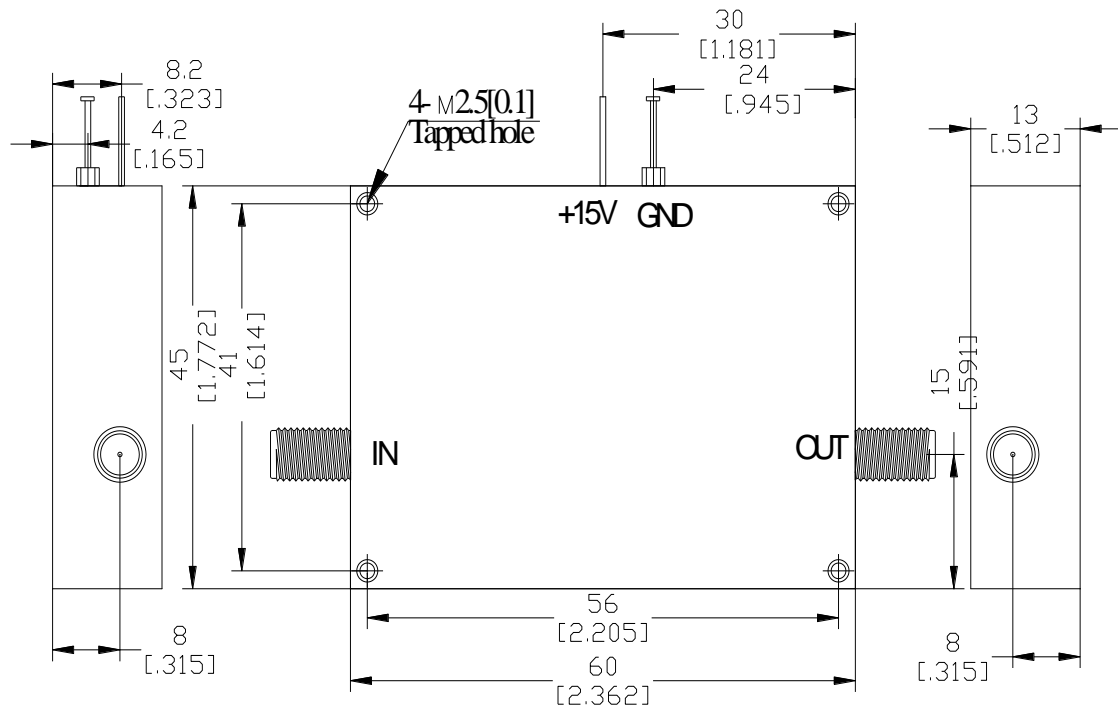
SAC1192

Low Noise Slopping Amplifier Module
0.8~4.1GHz NF 0.9dB

v1.6

Mechanical Outline

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SuperApex, LLC

1580 S. Milwaukee Ave., Suite 405, IL 60048, USA

Tel: 1-847-505-8319, 1-847-573-9866

E-mail: sales@superapexco.com

Website: www.superapexco.com