ApogeeLAB

OAMM – V1.0
OP AMP MONO Module

Description

apogeeLAB has created a special DISCRETE OPERATIONAL AMPLIFIER, for the output stage low signals, like a CD Player, DAC, USB DAC etc. All of this in just 43.55mm(h) x 20.28mm(L) x 14.19mm(S). The pin out available is compatible with the standard in use.

Product Features

- **Slew Rate: 5.5 V/us**
- **Fully specified power supplies: ±5 V to ±15 V**
- **Large Signal Bandwidth: 65KHz**
- **Gain Bandwidth: 10 MHz**
- **Output Current Capability: 300mA peak**

General Description

The **OAMM – V1.0** is a superbly optimized operational amplifier for high speed, low cost and dc parameters, making it ideally suited for a broad range of signal conditioning and data acquisition applications. The ac performance, gain, bandwidth, slew rate and drive capability are all very stable over temperature. The **OAMM – V1.0** also maintains stable gain under varying load conditions. The unique input stage has ultralow input bias current and ultralow input current noise. Signals that go to either rail on this high performance input do not cause phase reversals at the output. The **OAMM – V1.0** is fully specified for operation with dual ±5 V and ±15 V supplies. This power supply flexibility, and makes the **OAMM – V1.0** well suited for many demanding applications.

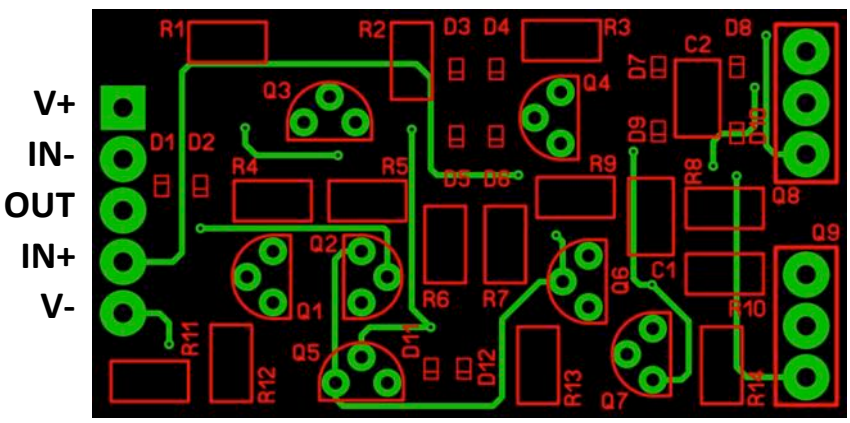
Absolute Maximum Ratings

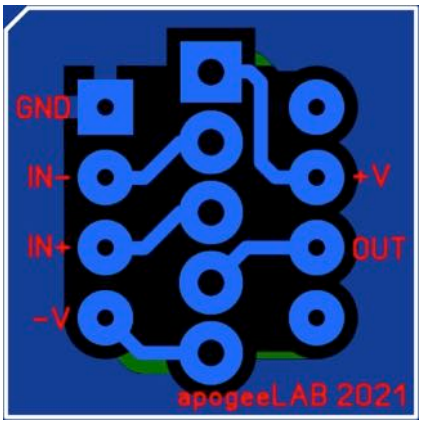
Symbol	Parameter	Condition	Rating	Unit	Notes
Vdc max	Supply Voltage	OAMM – V1.0	+/-15	Vdc	
Str	Storage Temperature range	OAMM – V1.0	-65°C to 125°C	°C	
Temp	Operating Temperature	OAMM – V1.0	-40°C to 85°C	°C	

Performance Characteristics

Mechanical Information

All dimensions are in millimeters (43.55mm x 20.28mm, OP AMP – 15mm x 15mm BASE MONO)
Pin number one, is marked by a square pitch, top left.





Connector Configuration

PIN No.	Label
1	GND
2	IN-
3	IN+
4	V-
5	NC
6	OUT
7	V+
8	NC

Important Notice

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