Quantum Computing Power Supply Capabilities



Product Features

- Two adjustable low voltage outputs.
- Current Monitoring.
- Separate 3 digit displays for voltage and current outputs.
- Connector Type (Output): MS3112E10-6S.
- 120-240 VAC Input Power Range.
- CE Certified.

Typical Key Parameters at 23°C

Parameters	Unit	Min	Typical	Max	Notes
V1 Voltage	V	0.35	-	0.75	
V2 Voltage	V	0	-	0.045	
V1 Current	mA	-	-	400	
V2 Current	mA	-	-	1	
VAC Input	VAC		120-240		

Product Description

The 16043-501 is dual channel low voltage power supply aimed for Quantum Computing cryogenic amplifier applications. Finely adjustable and compatible with our product line of cryogenic amplifiers. Super low voltage operation to avoid risk of overvoltage damage to cryogenic amplifiers. Also comes with current measuring and monitoring capabilities.

Absolute Maximum Ratings*

Parameters	Unit	Min	Max	Notes
Operating Temperature (Case)	C	-40	+70	95 % Humidity, non-condensing
Non-Operating Temperature (Case)	C	-50	+120	95 % Humidity, non-condensing

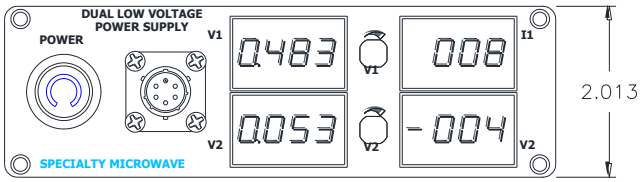
Applications

- Reliability Testing
- Laboratory Instrument Testing
- Cryogenic Amplifier Testing
- Quantum Computing

**Stresses above those listed under "Absolute Maximum Rating" may cause permanent damage to the device. This is a stress rating only and functional operation of the device at these or any other conditions above those indicated in the operational sections of this specification is not implied. Exposure to absolute maximum rating conditions for extended periods may affect device reliability. All STANDARD units are packaged in Aluminum housings that are layered with electroless Nickel and then plated with Gold to eliminate contamination of other adjacent electronic components.*

Outline Drawing

FRONT VIEW

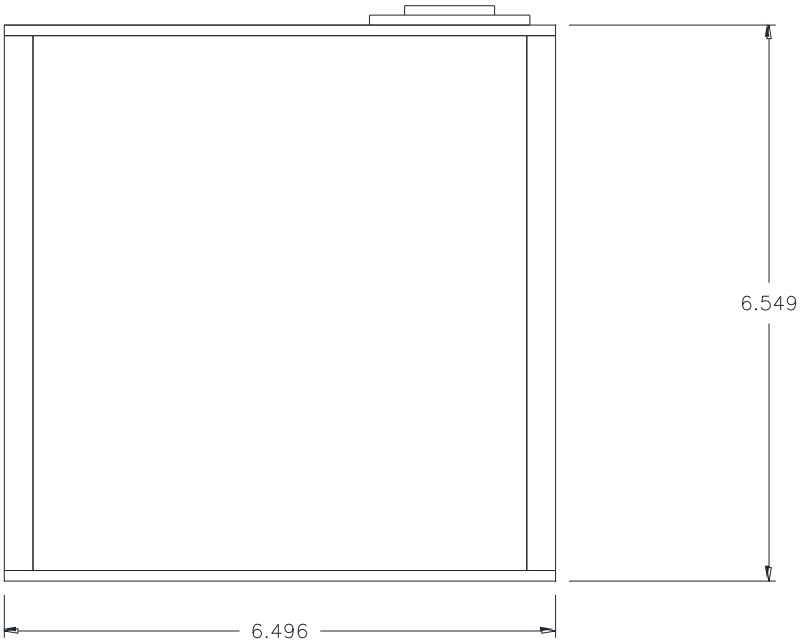


REAR VIEW



DC Output Connector: MS3112E10-6S
A: 0.25 to 0.75 Vdc at 400 mA max
B: Common
C: -2 to -1 Vdc at 1 mA max (reference)
D: Common
E: 0 to 0.045 Vdc at 10 mA
F: Common

TOP VIEW



(All dimensions in inches)