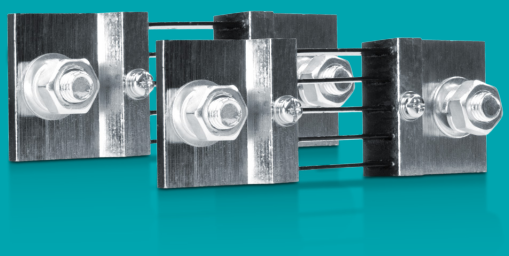
Shunt Series

Shunt-500A

DC Current Shunt Datasheet



Accuenergy DC current shunts are engineered for precision measurement in DC current systems. Designed to connect to a DC power meter to measure electrical currents based on a small voltage drop, DC current shunts provide accurate energy measurements in a variety of applications including renewable energy, mass transit, battery charging, electric vehicles, welding, heavy industrial environments, and OEM applications.

Features

- Accuracy class: 0.5%
- 75mV voltage drop

RoHS COMPLIANT

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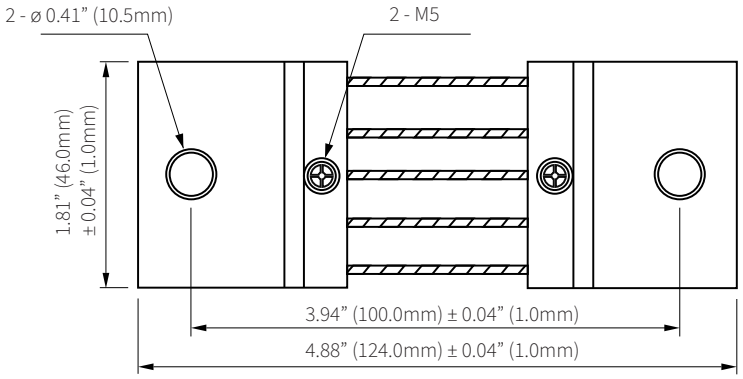
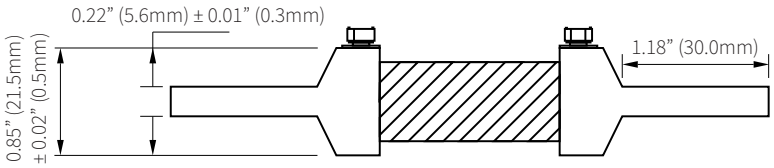
Specs Subject To Change Without Notice.

Specifications

RATED CURRENT	500A
Current Range	10-120% of rated current
Accuracy	0.5%
Voltage Drop	75mV
MECHANICAL/ENVIRONMENTAL	
Form Factor	Inline installation
Exterior Dimensions	124.0mm x 46.0mm x 21.5mm 4.88" x 1.81" x 0.85"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 60°C / -40°F to 140°F
Shunt Temperature w/ Load Current	<80% of rated current = 80°C (176°F), >120% = of rated current = 120°C (248°F)
Storage Temperature	-55°C to 80°C / -67°F to 176°F
Operating Humidity	Non-condensing, 0 to 95% RH
Installation Conditions	Indoor Use
ELECTRICAL	
Frequency Range	DC
SAFETY/COMPLIANCE	
Overload	120% of nominal current (2 hours)
Certifications	RoHS

Dimensions





Ordering Information

			Rated Input		*Voltage Drop*
Ordering Number	Shunt	-		/	
Ordering Example	**Shunt**	**-**	**500A**	**/**	**75mV**
			500A		75mV