

ACCUEVERGY

Shunt Series

DC Current Shunt

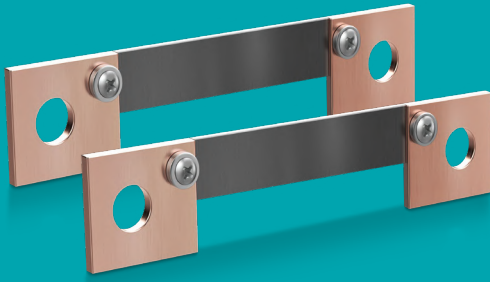


D A T A S H E E T

Shunt Series

Shunt-50A

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

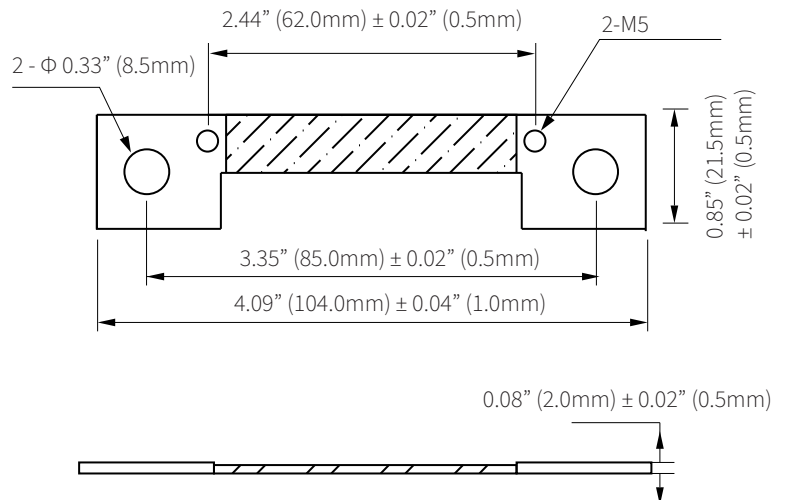
- Accuracy class: 0.1%
- 75mV voltage drop



Specifications

RATED CURRENT	
Current Range	10-120% of rated current
Accuracy	0.1%
Voltage Drop	75mV
MECHANICAL/ENVIRONMENTAL	
Form Factor	Inline installation
Exterior Dimensions	104.0mm x 21.5mm x 2.0mm 4.09" x 0.85" x 0.08"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 80°C / -40°F to 176°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 85°C / -67°F to 185°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



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 Specs Subject To Change Without Notice.

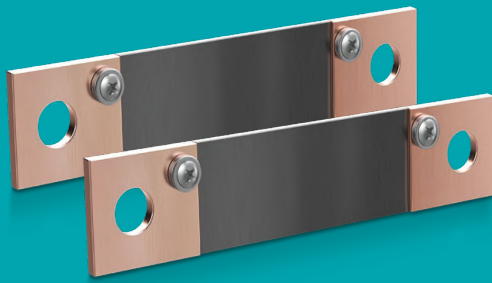
Ordering Information

		Rated Input	Voltage Drop
Ordering Number	Shunt	-	/
Ordering Example	Shunt	50A	75mV
		50A	75mV

Shunt Series

Shunt-100A

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

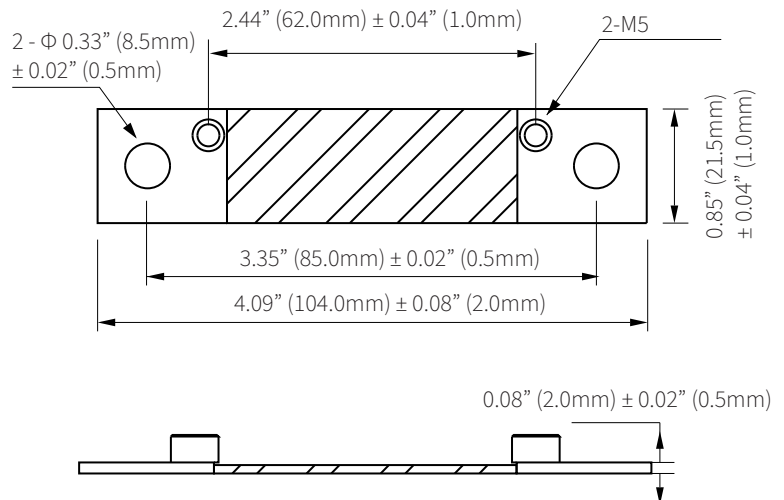
- Accuracy class: 0.1%
- 75mV voltage drop



Specifications

RATED CURRENT	
Rated Current	100A
Current Range	10-120% of rated current
Accuracy	0.1%
Voltage Drop	75mV
MECHANICAL/ENVIRONMENTAL	
Form Factor	Inline installation
Exterior Dimensions	104.0mm x 21.5mm x 2.0mm 4.09" x 0.85" x 0.08"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 80°C / -40°F to 176°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 85°C / -67°F to 185°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



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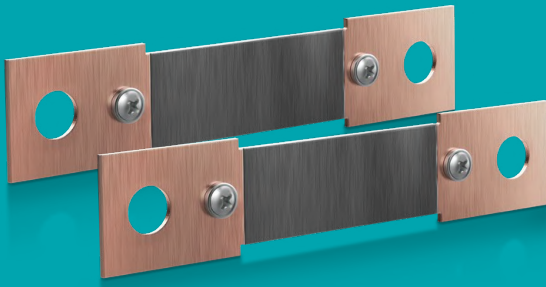
Ordering Information

		Rated Input	Voltage Drop
Ordering Number	Shunt	-	/
Ordering Example	Shunt	100A	75mV
		100A	75mV

Shunt Series

Shunt-200A

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

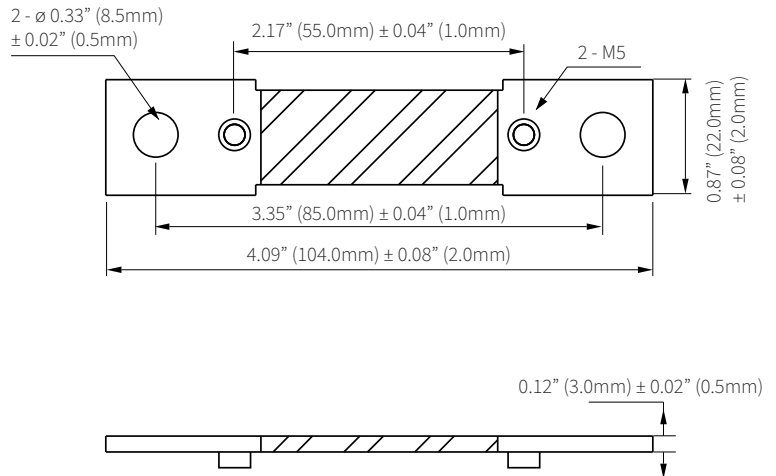
- Accuracy class: 0.1%
- 75mV voltage drop



Specifications

RATED CURRENT	
Current Range	10-120% of rated current
Accuracy	0.1%
Voltage Drop	75mV
MECHANICAL/ENVIRONMENTAL	
Form Factor	Inline installation
Exterior Dimensions	104.0mm x 22.0mm x 3.0mm 4.09" x 0.87" x 0.12"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 80°C / -40°F to 176°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 85°C / -67°F to 185°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



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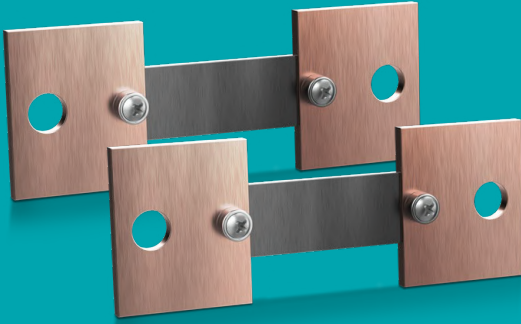
Ordering Information

		Rated Input	Voltage Drop
Ordering Number	Shunt	-	/
Ordering Example	Shunt	- 200A	/ 75mV
		200A	75mV

Shunt Series

Shunt-300A

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

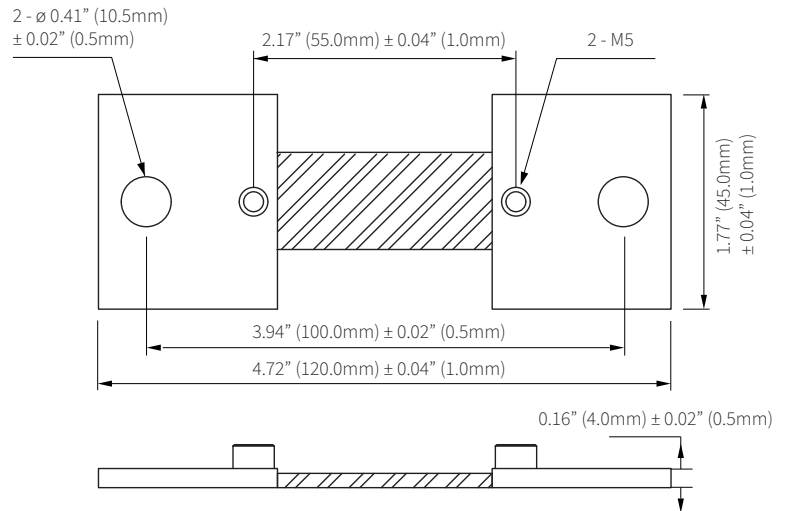
- Accuracy class: 0.1%
- 75mV voltage drop



Specifications

RATED CURRENT	
Rated Current	300A
Current Range	10-120% of rated current
Accuracy	0.1%
Voltage Drop	75mV
MECHANICAL/ENVIRONMENTAL	
Form Factor	Inline installation
Exterior Dimensions	120.0mm x 45.0mm x 4.0mm 4.72" x 1.77" x 0.16"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 80°C / -40°F to 176°F
Shunt Temperature with Load Current	<80% of rated current = 80°C (176°F), >120% = of rated current = 120°C (248°F)
Storage Temperature	-55°C to 85°C / -67°F to 185°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



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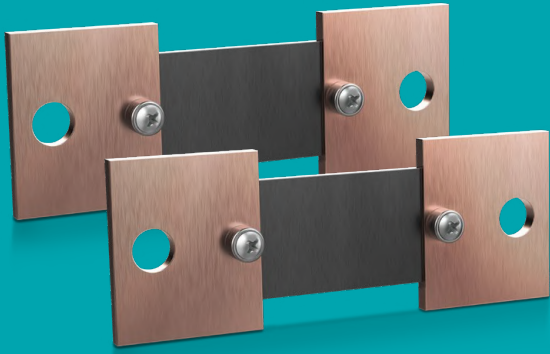
Ordering Information

		Rated Input	Voltage Drop
Ordering Number	Shunt	-	/
Ordering Example	Shunt	- 300A	/ 75mV
		300A	75mV

Shunt Series

Shunt-400A

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: 0.1%
- 75mV voltage drop



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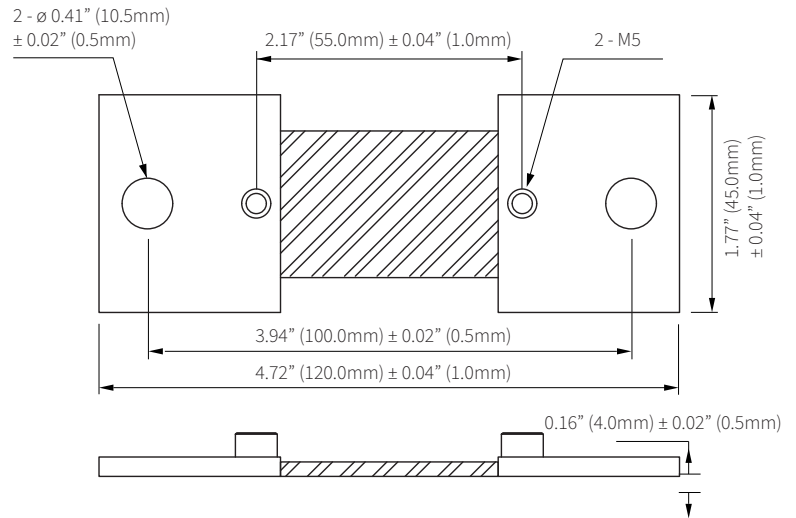
Revision Date: August 2024 Version: 1.0.0
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Specifications

RATED CURRENT	
Rated Current	400A
Current Range	10-120% of rated current
Accuracy	0.1%
Voltage Drop	75mV
MECHANICAL/ENVIRONMENTAL	
Form Factor	Inline installation
Exterior Dimensions	120.0mm x 45.0mm x 4.0mm 4.72" x 1.77" x 0.16"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 80°C / -40°F to 176°F
Shunt Temperature with Load Current	<80% of rated current = 80°C (176°F), >120% = of rated current = 120°C (248°F)
Storage Temperature	-55°C to 85°C / -67°F to 185°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



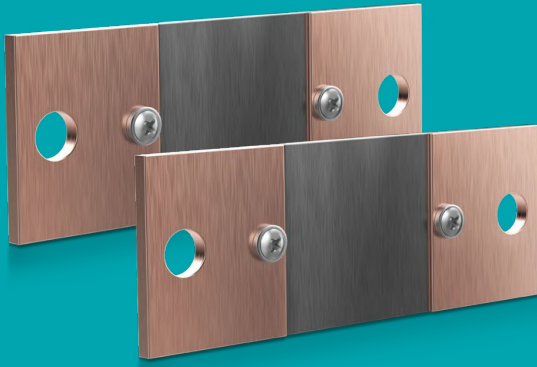
Ordering Information

		Rated Input	Voltage Drop
Ordering Number	Shunt	-	/
Ordering Example	Shunt	- 400A	/ 75mV
		400A	75mV

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

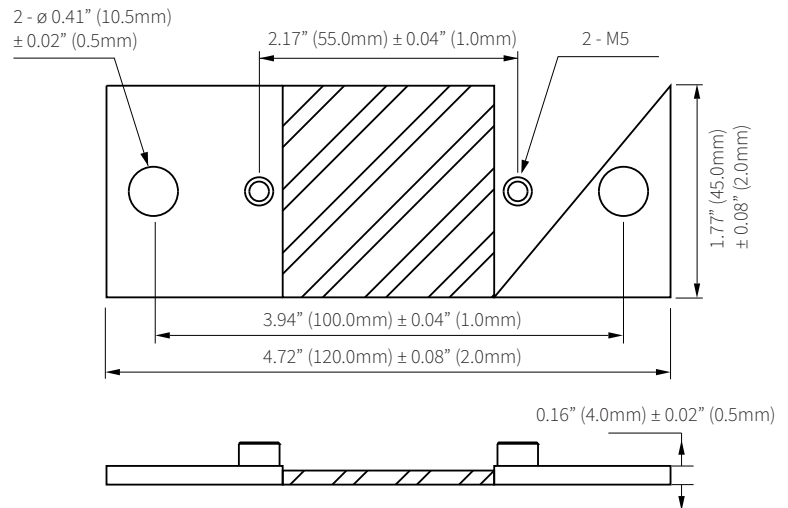
- Accuracy class: 0.1%
- 75mV voltage drop



Specifications

RATED CURRENT	
Rated Current	500A
Current Range	10-120% of rated current
Accuracy	0.1%
Voltage Drop	75mV
MECHANICAL/ENVIRONMENTAL	
Form Factor	Inline installation
Exterior Dimensions	120.0mm x 45.0mm x 4.0mm 4.72" x 1.77" x 0.16"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 80°C / -40°F to 176°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 85°C / -67°F to 185°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



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Revision Date: August 2024 Version: 1.0.3
 Specs Subject To Change Without Notice.

Ordering Information

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

Shunt Series

Shunt-600A

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: 0.1%
- 75mV voltage drop



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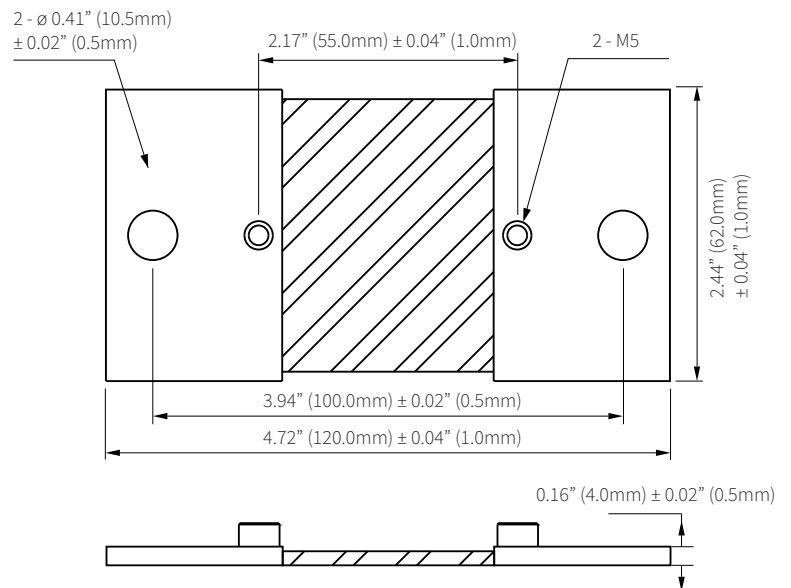
Revision Date: September 2024 Version: 1.0.0
 Specs Subject To Change Without Notice.



Specifications

RATED CURRENT	
Current Range	10-120% of rated current
Accuracy	0.1%
Voltage Drop	75mV
MECHANICAL/ENVIRONMENTAL	
Form Factor	Inline installation
Exterior Dimensions	120.0mm x 62.0mm x 4.0mm 4.72" x 2.44" x 0.16"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 80°C / -40°F to 176°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 85°C / -67°F to 185°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	- 600A	/ 75mV
		600A	75mV

Shunt Series

Shunt-1000A

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: 0.2%
- 75mV voltage drop



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 Specs Subject To Change Without Notice.



Specifications

RATED CURRENT	1000A
Current Range	10-120% of rated current
Accuracy	0.2%
Voltage Drop	75mV

MECHANICAL/ENVIRONMENTAL

Form Factor	Inline installation
Exterior Dimensions	125.0mm x 70.0mm x 21.0mm 4.92" x 2.76" x 0.83"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 80°C / -40°F to 176°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 85°C / -67°F to 185°F
Operating Humidity	Non-condensing, 0 to 95% RH
Installation Conditions	Indoor Use

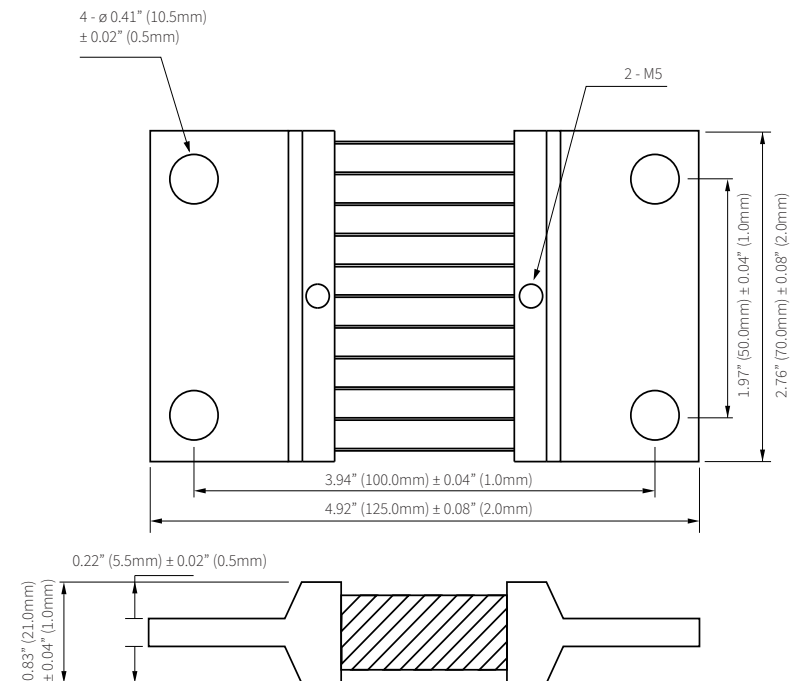
ELECTRICAL

Frequency Range	DC
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SAFETY/COMPLIANCE

Overload	120% of nominal current (2 hours)
Certifications	RoHS

Dimensions



Ordering Information

		Rated Input	Voltage Drop
Ordering Number	Shunt	-	/
Ordering Example	Shunt	- 1000A	/ 75mV
		1000A	75mV

Shunt Series

Shunt-2000A

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



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 Specs Subject To Change Without Notice.



Specifications

RATED CURRENT	2000A
Current Range	10-120% of rated current
Accuracy	0.5%
Voltage Drop	75mV

MECHANICAL/ENVIRONMENTAL

Form Factor	Inline installation
Exterior Dimensions	200.0mm x 84.0mm x 97.0mm 7.87" x 3.31" x 3.82"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 80°C / -40°F to 176°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 85°C / -67°F to 185°F
Operating Humidity	Non-condensing, 0 to 95% RH
Installation Conditions	Indoor Use

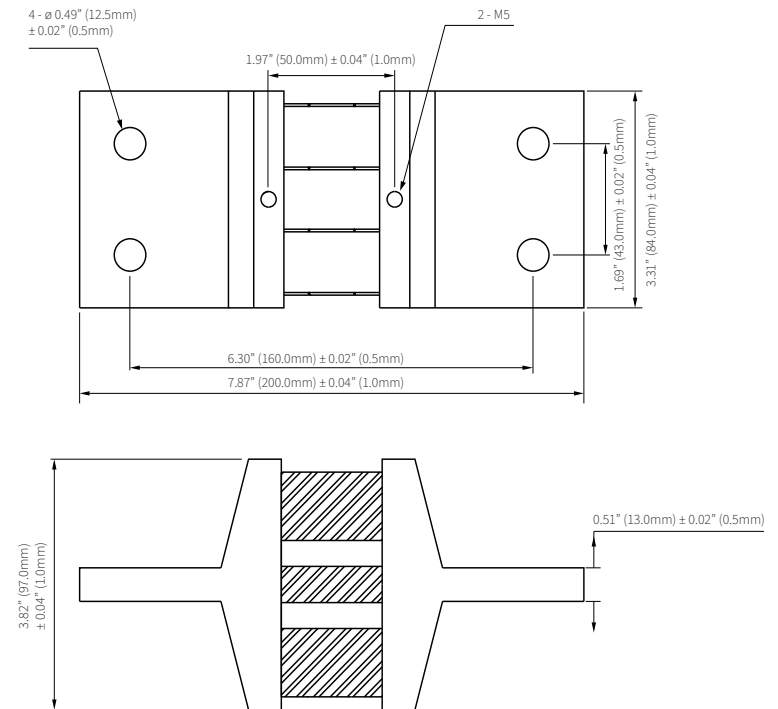
ELECTRICAL

Frequency Range	DC
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SAFETY/COMPLIANCE

Overload	120% of nominal current (2 hours)
Certifications	RoHS

Dimensions



Ordering Information

		Rated Input	Voltage Drop
Ordering Number	Shunt	-	/
Ordering Example	Shunt	- 2000A	/ 75mV
		2000A	75mV