



HLSR 20-P/SP33 Information



For Reference Only

Part Number HLSR 20-P/SP33

Manufacturer LEM USA Inc.

Category Sensors, Transducers
Current Transducers

Description SENSOR CURRENT HALL 20A AC/DC

Package Module

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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HLSR 20-P/SP33 Specifications

Manufacturer Part Number HLSR 20-P/SP33 Manufacturer LEM USA Inc. Category Sensors, Transducers Package Module Series HLSR-P For Measuring AC/DC Sensor Type Hall Effect, Open Loop Current - Sensing 20A Number of Channels 1 Output Ratiometric, Voltage Sensitivity 40mV/A Frequency 400kHz Linearity ±0.5% Accuracy ±1% Voltage - Supply 3.3V Response Time 2.5µs Current - Supply (Max) 25mA Operating Temperature -40°C ~ 105°C Polarization Bidirectional Mounting Type Through Hole Package / Case Module		
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Series HLSR-P For Measuring AC/DC Sensor Type Hall Effect, Open Loop Current - Sensing 20A Number of Channels 1 Output Ratiometric, Voltage Sensitivity 40mV/A Frequency 400kHz Linearity ±0.5% Accuracy ±1% Voltage - Supply 3.3V Response Time 2.5µs Current - Supply (Max) 25mA Operating Temperature -40°C ~ 105°C Polarization Bidirectional Mounting Type Through Hole Package / Case Module		Current Transducers
For Measuring Sensor Type Hall Effect, Open Loop Current - Sensing 20A Number of Channels 1 Output Ratiometric, Voltage Sensitivity 40mV/A Frequency 400kHz Linearity ±0.5% Accuracy ±1% Voltage - Supply Response Time 2.5µs Current - Supply (Max) Operating Temperature Polarization Mounting Type Package / Case Module	Package	Module
Sensor Type Hall Effect, Open Loop Current - Sensing 20A Number of Channels 1 Output Ratiometric, Voltage Sensitivity 40mV/A Frequency 400kHz Linearity ±0.5% Accuracy ±1% Voltage - Supply 3.3V Response Time 2.5μs Current - Supply (Max) 25mA Operating Temperature -40°C ~ 105°C Polarization Bidirectional Mounting Type Through Hole Package / Case Module	Series	HLSR-P
Current - Sensing Number of Channels 1 Output Ratiometric, Voltage Sensitivity 40mV/A Frequency 400kHz Linearity ±0.5% Accuracy ±1% Voltage - Supply Response Time 2.5µs Current - Supply (Max) Operating Temperature -40°C ~ 105°C Polarization Mounting Type Package / Case Module	For Measuring	AC/DC
Number of Channels Output Ratiometric, Voltage Sensitivity 40mV/A Frequency 400kHz Linearity ±0.5% Accuracy ±1% Voltage - Supply 3.3V Response Time 2.5µs Current - Supply (Max) Operating Temperature Polarization Bidirectional Mounting Type Package / Case Module	Sensor Type	Hall Effect, Open Loop
OutputRatiometric, VoltageSensitivity 40mV/A Frequency 400kHz Linearity $\pm 0.5\%$ Accuracy $\pm 1\%$ Voltage - Supply 3.3V Response Time $2.5\mu\text{s}$ Current - Supply (Max) 25mA Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ PolarizationBidirectionalMounting TypeThrough HolePackage / CaseModule	Current - Sensing	20A
Sensitivity Frequency 400kHz Linearity ±0.5% Accuracy ±1% Voltage - Supply 3.3V Response Time 2.5µs Current - Supply (Max) Operating Temperature Polarization Mounting Type Package / Case 40mV/A 40mV/A 40mV/A 40mV/A 400kHz ±1% 2.5% 40.5% Ed. 3.3V 2.5µs 2.5µs 2.5µs 2.5µs 4.0°C ~ 105°C Polarization Bidirectional Mounting Type Through Hole Module	Number of Channels	1
Frequency 400kHz Linearity ±0.5% Accuracy ±1% Voltage - Supply 3.3V Response Time 2.5 µs Current - Supply (Max) 25mA Operating Temperature -40°C ~ 105°C Polarization Bidirectional Mounting Type Through Hole Package / Case Module	Output	Ratiometric, Voltage
Linearity±0.5%Accuracy±1%Voltage - Supply3.3VResponse Time2.5μsCurrent - Supply (Max)25mAOperating Temperature-40°C ~ 105°CPolarizationBidirectionalMounting TypeThrough HolePackage / CaseModule	Sensitivity	40mV/A
Accuracy $\pm 1\%$ Voltage - Supply 3.3V Response Time $2.5\mu\text{s}$ Current - Supply (Max) 25mA Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ PolarizationBidirectionalMounting TypeThrough HolePackage / CaseModule	Frequency	400kHz
Voltage - Supply3.3VResponse Time2.5μsCurrent - Supply (Max)25mAOperating Temperature-40°C ~ 105°CPolarizationBidirectionalMounting TypeThrough HolePackage / CaseModule	Linearity	±0.5%
Response Time2.5μsCurrent - Supply (Max)25mAOperating Temperature-40°C ~ 105°CPolarizationBidirectionalMounting TypeThrough HolePackage / CaseModule	Accuracy	±1%
Current - Supply (Max) Operating Temperature -40°C ~ 105°C Polarization Bidirectional Mounting Type Through Hole Package / Case Module	Voltage - Supply	3.3V
Operating Temperature -40°C ~ 105°C Polarization Bidirectional Mounting Type Through Hole Package / Case Module	Response Time	2.5μs
Polarization Bidirectional Mounting Type Through Hole Package / Case Module	Current - Supply (Max)	25mA
Mounting Type Through Hole Package / Case Module	Operating Temperature	-40°C ~ 105°C
Package / Case Module	Polarization	Bidirectional
	Mounting Type	Through Hole
Report errors?	Package / Case	Module
		Report errors?

HLSR 20-P/SP33 Guarantees



Quality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

HLSR 20-P/SP33 Payment Methods



















HLSR 20-P/SP33 Shipping Methods













If you have any question about HLSR 20-P/SP33, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com