

# ACS725LLCTR-30AB-T

### **ACS725LLCTR-30AB-T Information**



For Reference Only

Part NumberACS725LLCTR-30AB-TManufacturerAllegro MicroSystems, LLC

Category Sensors, Transducers
Current Transducers

**Description** SENSOR CURRENT HALL 30A AC/DC

Package 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



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# **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









# **ACS725LLCTR-30AB-T Specifications**

Manufacturer Part Number         ACS725LLCTR-30AB-T           Manufacturer         Allegro MicroSystems, LLC           Category         Sensors, Transducers           Package         8-SOIC (0.154", 3.90mm Width)           Series         -           For Measuring         AC/DC           Sensor Type         Hall Effect, Differential           Current - Sensing         30A           Number of Channels         1           Output         Ratiometric, Voltage           Sensitivity         44mV/A           Frequency         DC ~ 120kHz           Linearity         ±1.5%           Accuracy         ±0.7%           Voltage - Supply         3 V ~ 3.6 V           Response Time         4µs           Current - Supply (Max)         14mA           Operating Temperature         -40°C ~ 150°C           Polarization         Bidirectional           Mounting Type         Surface Mount           Package / Case         8-SOIC (0.154", 3.90mm Width)		
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Number of Channels1OutputRatiometric, VoltageSensitivity44mV/AFrequencyDC ~ 120kHzLinearity±1.5%Accuracy±0.7%Voltage - Supply3 V ~ 3.6 VResponse Time4µsCurrent - Supply (Max)14mAOperating Temperature-40°C ~ 150°CPolarizationBidirectionalMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Sensor Type	Hall Effect, Differential
OutputRatiometric, VoltageSensitivity $44\text{mV/A}$ FrequencyDC ~ 120kHzLinearity $\pm 1.5\%$ Accuracy $\pm 0.7\%$ Voltage - Supply $3\text{ V ~ }3.6\text{ V}$ Response Time $4\mu\text{s}$ Current - Supply (Max) $14\text{mA}$ Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ PolarizationBidirectionalMounting TypeSurface MountPackage / Case $8\text{-SOIC (0.154", 3.90mm Width)}$	Current - Sensing	30A
Sensitivity44mV/AFrequencyDC ~ 120kHzLinearity±1.5%Accuracy±0.7%Voltage - Supply3 V ~ 3.6 VResponse Time4μsCurrent - Supply (Max)14mAOperating Temperature-40°C ~ 150°CPolarizationBidirectionalMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Number of Channels	1
Frequency DC ~ 120kHz Linearity $\pm 1.5\%$ Accuracy $\pm 0.7\%$ Voltage - Supply $3 \text{ V} \sim 3.6 \text{ V}$ Response Time $4\mu\text{S}$ Current - Supply (Max) $14\mu\text{A}$ Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ Polarization Bidirectional Mounting Type Surface Mount Package / Case $8\text{-SOIC } (0.154^{\circ}, 3.90 \text{mm Width})$	Output	Ratiometric, Voltage
Linearity $\pm 1.5\%$ Accuracy $\pm 0.7\%$ Voltage - Supply $3 \text{ V} \sim 3.6 \text{ V}$ Response Time $4\mu\text{s}$ Current - Supply (Max) $14\text{mA}$ Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ Polarization Bidirectional Mounting Type Surface Mount Package / Case $8\text{-SOIC } (0.154^{\circ}, 3.90\text{mm Width})$	Sensitivity	44mV/A
Accuracy $\pm 0.7\%$ Voltage - Supply $3 \text{ V} \sim 3.6 \text{ V}$ Response Time $4\mu\text{s}$ Current - Supply (Max) $14\text{mA}$ Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ Polarization Bidirectional Mounting Type Surface Mount Package / Case $8\text{-SOIC }(0.154^{\circ}\text{, 3.90mm Width})$	Frequency	DC ~ 120kHz
Voltage - Supply $3\ V \sim 3.6\ V$ Response Time $4\mu s$ $Current - Supply (Max) \qquad 14mA$ $Operating Temperature \qquad -40^{\circ}C \sim 150^{\circ}C$ $Polarization \qquad Bidirectional$ $Mounting Type \qquad Surface Mount \\ Package / Case \qquad 8-SOIC (0.154", 3.90mm Width)$	Linearity	±1.5%
Response Time4μsCurrent - Supply (Max)14mAOperating Temperature-40°C ~ 150°CPolarizationBidirectionalMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Accuracy	±0.7%
Current - Supply (Max)  Operating Temperature  -40°C ~ 150°C  Polarization  Bidirectional  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)	Voltage - Supply	3 V ~ 3.6 V
Operating Temperature -40°C ~ 150°C  Polarization Bidirectional  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)	Response Time	4μs
Polarization Bidirectional  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)	Current - Supply (Max)	14mA
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Operating Temperature	-40°C ~ 150°C
Package / Case 8-SOIC (0.154", 3.90mm Width)	Polarization	Bidirectional
	Mounting Type	Surface Mount
Report errors?	Package / Case	8-SOIC (0.154", 3.90mm Width)
		Report errors?

#### **ACS725LLCTR-30AB-T Guarantees**



#### **Ouality 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.

## **ACS725LLCTR-30AB-T Payment Methods**



















### **ACS725LLCTR-30AB-T Shipping Methods**













If you have any question about ACS725LLCTR-30AB-T, please do not hesitate to contact us!

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