

## ACS723KMATR-10AB-T

#### **ACS723KMATR-10AB-T Information**



For Reference Only

Part NumberACS723KMATR-10AB-TManufacturerAllegro MicroSystems, LLC

Category Sensors, Transducers
Current Transducers

**Description** SENSOR CURRENT HALL 10A AC/DC

**Package** 16-SOIC (0.295", 7.50mm 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**

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# ACS723KMATR-10AB-T Specifications

Manufacturer Part Number         ACS723KMATR-10AB-T           Manufacturer         Allegro MicroSystems, LLC           Category         Sensors, Transducers           Package         16-SOIC (0.295", 7.50mm Width)           Series         -           For Measuring         AC/DC           Sensor Type         Hall Effect, Open Loop           Current - Sensing         10A           Number of Channels         1           Output         Ratiometric, Voltage           Sensitivity         200mv/A           Frequency         DC ~ 80kHz           Linearity         ±1%           Accuracy         ±2%           Voltage - Supply         4.5 V ~ 5.5 V           Response Time         5µs           Current - Supply (Max)         14mA           Operating Temperature         -40°C ~ 125°C           Polarization         Bidirectional           Mounting Type         Surface Mount           Package / Case         16-SOIC (0.295", 7.50mm Width)		
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OutputRatiometric, VoltageSensitivity200mv/AFrequencyDC ~ 80kHzLinearity±1%Accuracy±2%Voltage - Supply4.5 V ~ 5.5 VResponse Time5μsCurrent - Supply (Max)14mAOperating Temperature-40°C ~ 125°CPolarizationBidirectionalMounting TypeSurface MountPackage / Case16-SOIC (0.295", 7.50mm Width)	Current - Sensing	10A
Sensitivity200mv/AFrequencyDC ~ 80kHzLinearity±1%Accuracy±2%Voltage - Supply4.5 V ~ 5.5 VResponse Time5μsCurrent - Supply (Max)14mAOperating Temperature-40°C ~ 125°CPolarizationBidirectionalMounting TypeSurface MountPackage / Case16-SOIC (0.295", 7.50mm Width)	Number of Channels	1
Frequency DC $\sim 80 \text{kHz}$ Linearity $\pm 1\%$ Accuracy $\pm 2\%$ Voltage - Supply $4.5 \text{ V} \sim 5.5 \text{ V}$ Response Time $5\mu \text{s}$ Current - Supply (Max) $14\mu \text{A}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Polarization Bidirectional  Mounting Type Surface Mount  Package / Case $16\text{-SOIC } (0.295^{\circ}, 7.50 \text{mm Width})$	Output	Ratiometric, Voltage
Linearity $\pm 1\%$ Accuracy $\pm 2\%$ Voltage - Supply $4.5 \text{ V} \sim 5.5 \text{ V}$ Response Time $5\mu\text{s}$ Current - Supply (Max) $14\mu\text{A}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Polarization Bidirectional Mounting Type Surface Mount Package / Case $16\text{-SOIC } (0.295^{\circ}\text{, 7.50mm Width})$	Sensitivity	200mv/A
Accuracy $\pm 2\%$ Voltage - Supply $4.5 \text{ V} \sim 5.5 \text{ V}$ Response Time $5\mu \text{s}$ Current - Supply (Max) $14\mu \text{A}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Polarization Bidirectional Mounting Type Surface Mount Package / Case $16\text{-SOIC } (0.295^{\circ}\text{, 7.50mm Width})$	Frequency	DC ~ 80kHz
Voltage - Supply $ 4.5 \text{ V} \sim 5.5 \text{ V} $ Response Time $ 5 \mu s $ Current - Supply (Max) $ 14mA $ Operating Temperature $ -40^{\circ}\text{C} \sim 125^{\circ}\text{C} $ Polarization $ Bidirectional $ Mounting Type $ Surface \ Mount $ Package / Case $ 16\text{-SOIC } (0.295", 7.50mm \ Width) $	Linearity	±1%
Response Time $5\mu s$ Current - Supply (Max) $14mA$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Polarization Bidirectional Mounting Type Surface Mount Package / Case $16\text{-SOIC }(0.295^{\circ}, 7.50 \text{mm Width})$	Accuracy	±2%
Current - Supply (Max)  Operating Temperature  -40°C ~ 125°C  Polarization  Bidirectional  Mounting Type  Surface Mount  Package / Case  16-SOIC (0.295", 7.50mm Width)	Voltage - Supply	4.5 V ~ 5.5 V
Operating Temperature -40°C ~ 125°C  Polarization Bidirectional  Mounting Type Surface Mount  Package / Case 16-SOIC (0.295", 7.50mm Width)	Response Time	5μs
Polarization Bidirectional Mounting Type Surface Mount Package / Case 16-SOIC (0.295", 7.50mm Width)	Current - Supply (Max)	14mA
Mounting Type Surface Mount Package / Case 16-SOIC (0.295", 7.50mm Width)	Operating Temperature	-40°C ~ 125°C
Package / Case 16-SOIC (0.295", 7.50mm Width)	Polarization	Bidirectional
	Mounting Type	Surface Mount
Report errors?	Package / Case	16-SOIC (0.295", 7.50mm Width)
Report crists:		Report errors?

#### **ACS723KMATR-10AB-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.

### **ACS723KMATR-10AB-T Payment Methods**



















### **ACS723KMATR-10AB-T Shipping Methods**













If you have any question about ACS723KMATR-10AB-T, please do not hesitate to contact us!

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