

ACS723KMATR-40AB-T

ACS723KMATR-40AB-T Information



For Reference Only

Part NumberACS723KMATR-40AB-TManufacturerAllegro MicroSystems, LLC

Category Sensors, Transducers
Current Transducers

Description SENSOR CURRENT HALL 40A 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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ACS723KMATR-40AB-T Specifications

Manufacturer Part Number ACS723KMATR-40AB-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 40A Number of Channels 1 Output Ratiometric, Voltage Sensitivity 50mV/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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Number of Channels Output Ratiometric, Voltage Sensitivity 50mV/A Frequency DC ~ 80kHz Linearity 4:1% Accuracy ±2% Voltage - Supply 4.5 V ~ 5.5 V Response Time 5µs Current - Supply (Max) Operating Temperature -40°C ~ 125°C Polarization Bidirectional Mounting Type Surface Mount Package / Case 1 1 Ratiometric, Voltage Ratiometric, Voltage 50mV/A 10mA 50mV/A 14mA 4.5 V ~ 80kHz ±1% 4.5 V ~ 5.5 V 8 directional 8 idirectional 9 idirectional 8 idirectional 8 idirectional 9 idirectional 8 idirectional 9 idirectional 8 idirectional 9 idirectional 9 idirectional 16 - SOIC (0.295", 7.50mm Width)	Sensor Type	Hall Effect, Open Loop
OutputRatiometric, VoltageSensitivity50mV/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	40A
Sensitivity 50mV/A 50mV/A Frequency DC ~ 80kHz 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 $16-\text{SOIC }(0.295^{\circ}, 7.50 \text{mm Width})$	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	50mV/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 $16-\text{SOIC}$ (0.295", 7.50mm Width)	Frequency	DC ~ 80kHz
Voltage - Supply $ \begin{array}{lll} 4.5 \ V \sim 5.5 \ V \\ \\ \text{Response Time} & 5 \mu s \\ \\ \text{Current - Supply (Max)} & 14 \text{mA} \\ \\ \text{Operating Temperature} & -40 ^{\circ}\text{C} \sim 125 ^{\circ}\text{C} \\ \\ \text{Polarization} & \text{Bidirectional} \\ \\ \text{Mounting Type} & \text{Surface Mount} \\ \\ \text{Package / Case} & 16-\text{SOIC } (0.295", 7.50 \text{mm Width}) \\ \end{array} $	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) 14mA Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Polarization Bidirectional Mounting Type Surface Mount Package / Case 16-SOIC $(0.295^{\circ}, 7.50 \text{mm Width})$	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 errors?

ACS723KMATR-40AB-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-40AB-T Payment Methods



















ACS723KMATR-40AB-T Shipping Methods













If you have any question about ACS723KMATR-40AB-T, please do not hesitate to contact us!

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