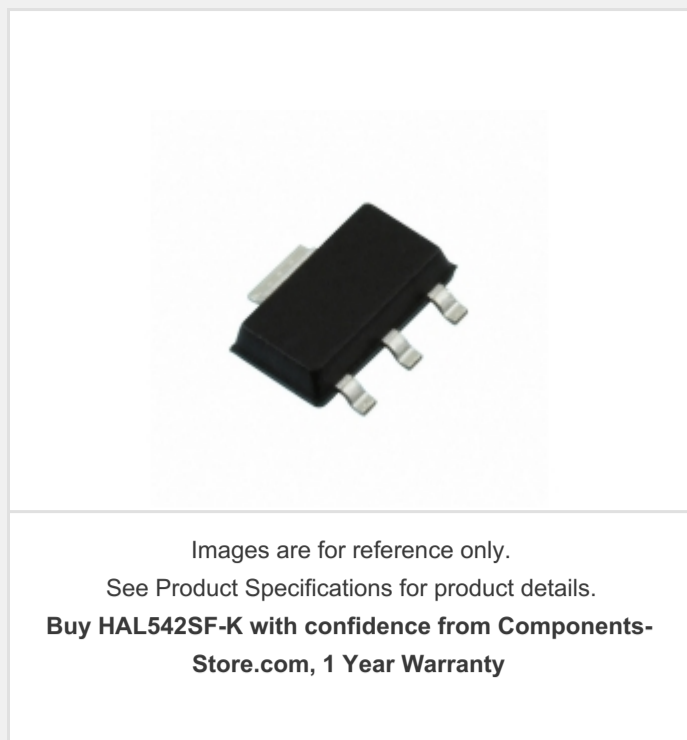


## HAL542SF-K



**Part Number:** [HAL542SF-K](#)  
**Manufacturer:** [Micronas](#)  
**Description:** MAGNETIC SWITCH LATCH SOT89B-1  
**Data sheet:** [PDF HAL542, 543, 546, 548](#)

**RoHS Status:** Lead free / RoHS Compliant  
**Ship From:** Hong Kong  
**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

[Request For Quotation](#)

PRODUCT PARAMETER	
Part Number	<a href="#">HAL542SF-K</a>
Manufacturer	<a href="#">Micronas</a>
Description	MAGNETIC SWITCH LATCH SOT89B-1
Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	153774 pcs
Product Photo	<a href="#">HAL542SF-K.jpg</a>
Category	<a href="#">Sensors, Transducers</a>
Voltage - Supply	4.3 V ~ 24 V
Test Condition	25°C
Technology	Hall Effect
Supplier Device Package	SOT-89B-1
Series	HAL®
Sensing Range	4.5mT Trip, -4.5mT Release
Polarization	South Pole
Packaging	Tape & Reel (TR)
Package / Case	TO-243AA, Variant
Output Type	Open Drain
Operating Temperature	-40°C ~ 140°C (TA)
Moisture Sensitivity Level (MSL)	1 (Unlimited)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Function	Latch
Features	Temperature Compensated
Detailed Description	Digital Switch Latch Open Drain Hall Effect SOT-89B-1
Current - Supply (Max)	4.2mA
Current - Output (Max)	20mA

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	Part#: <a href="#">HAL523SF-A</a> Description: MAGNETIC SWITCH UNIPOL SOT89B-1	Manufacturers: <a href="#">Micronas</a> In Stock: 4572	<a href="#">RFQ</a>
	Part#: <a href="#">HAL542UA-K</a> Description: MAGNETIC SWITCH LATCH TO92UA-1	Manufacturers: <a href="#">Micronas</a> In Stock: 121395	<a href="#">RFQ</a>
	Part#: <a href="#">HAL548 SF-E</a> Description: SOT-89B	Manufacturers: <a href="#">Micronas</a> In Stock: 148879	<a href="#">RFQ</a>
	Part#: <a href="#">HAL543 SF-E</a> Description: SOT-89B	Manufacturers: <a href="#">Micronas</a> In Stock: 160185	<a href="#">RFQ</a>
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	Part#: <a href="#">HAL542 UA-E</a> Description: TO92-UA	Manufacturers: <a href="#">Micronas</a> In Stock: 137948	<a href="#">RFQ</a>
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	Part#: <a href="#">HAL546 SF-E</a> Description: SOT-89B	Manufacturers: <a href="#">Micronas</a> In Stock: 130013	<a href="#">RFQ</a>
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	Part#: <a href="#">HAL546SF-K</a> Description: MAGNETIC SWITCH UNIPOL SOT89B-1	Manufacturers: <a href="#">Micronas</a> In Stock: 136612	<a href="#">RFQ</a>
	Part#: <a href="#">HAL526UA-K</a> Description: MAGNETIC SWITCH LATCH TO92UA-1	Manufacturers: <a href="#">Micronas</a> In Stock: 126749	<a href="#">RFQ</a>
	Part#: <a href="#">HAL543 UA-E</a> Description: TO92-UA	Manufacturers: <a href="#">Micronas</a> In Stock: 129299	<a href="#">RFQ</a>
	Part#: <a href="#">HAL542 SF-E</a> Description: SOT-89B	Manufacturers: <a href="#">Micronas</a> In Stock: 136657	<a href="#">RFQ</a>
	Part#: <a href="#">HAL523UA-A</a> Description: MAGNETIC SWITCH UNIPOL TO92UA-1	Manufacturers: <a href="#">Micronas</a> In Stock: 4838	<a href="#">RFQ</a>
	Part#: <a href="#">HAL526 UA-E</a> Description: TO92-UA	Manufacturers: <a href="#">Micronas</a> In Stock: 130197	<a href="#">RFQ</a>
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	Part#: <a href="#">HAL543UA-K</a> Description: MAGNETIC SWITCH UNIPOL TO92UA-1	Manufacturers: <a href="#">Micronas</a> In Stock: 5032	<a href="#">RFQ</a>

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