

SI9145BY-E3



Part Number: [SI9145BY-E3](#)

Manufacturer: [Electro-Films \(EFI\) / Vishay](#)

Description: IC REG CTRLR BUCK/BOOST 16SOIC

Data sheet:  [SI9145](#)

RoHs Status: Lead free / RoHS Compliant

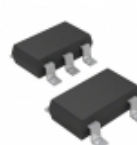
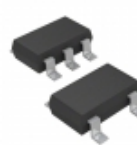
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

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See Product Specifications for product details.
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PRODUCT PARAMETER			
Part Number	SI9145BY-E3	Manufacturer	Electro-Films (EFI) / Vishay
Description	IC REG CTRLR BUCK/BOOST 16SOIC	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4994 pcs	Data sheet	SI9145
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 7 V
Topology	Buck, Boost	Synchronous Rectifier	Yes
Supplier Device Package	16-SOIC	Series	-
Serial Interfaces	-	Packaging	Bulk
Package / Case	16-SOIC (0.154", 3.90mm Width)	Output Type	Transistor Driver
Output Phases	1	Output Configuration	Positive
Operating Temperature	-25°C ~ 85°C (TA)	Number of Outputs	1
Moisture Sensitivity Level (MSL)	1 (Unlimited)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Function	Step-Up/Step-Down	Frequency - Switching	2kHz ~ 2MHz
Duty Cycle (Max)	100%	Detailed Description	Buck, Boost Regulator Positive Output Step-Up/Step-Down DC-DC Controller IC 16-SOIC
Control Features	Enable, Frequency Control, Soft Start	Clock Sync	No
Base Part Number	SI9145		
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RELATED PRODUCTS			
	Part#: SI9183DT-18-T1-E3 Description: IC REG LIN 1.8V 150MA TSOT23-5	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: SI9169DQ-T1-E3 Description: IC CONV BUCK BOOST 20TSSOP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: SI9122EDQ-T1-E3 Description: IC REG CTRLR HALF-BRIDGE 20TSSOP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: SI9122DQ-T1-E3 Description: IC REG CTRLR HALF-BRIDGE 20TSSOP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: SI9183DT-28-T1-E3 Description: IC REG LIN 2.8V 150MA TSOT23-5	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: SI9183DT-30-T1-E3 Description: IC REG LINEAR 3V 150MA TSOT23-5	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: SI9145BQ-T1-E3 Description: IC REG CTRLR BUCK/BOOST 16TSSOP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: SI9140DQ-T1-E3 Description: IC REG CTRLR BUCK 16TSSOP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: SI9122ADLP-T1-E3 Description: IC REG CTRLR HALF-BRG MLP65-20	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: SI9136LG-E3 Description: IC CTRLR PWM PIN PROG 28SSOP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: SI9169BQ-T1-E3 Description: IC CONV BUCK BOOST 20TSSOP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: SI9145BY-T1-E3 Description: IC REG CTRLR BUCK/BOOST 16SOIC	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: SI9183DT-25-T1-E3 Description: IC REG LIN 2.5V 150MA TSOT23-5	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: SI9166BQ-T1-E3 Description: IC REG BCK BST 1.5A SYNC 16TSSOP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: SI9182DH-33-T1-E3 Description: IC REG LINEAR 3.3V 250MA 8MSOP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: SI9183DT-285-T1-E3 Description: IC REG LIN 2.85V 150MA TSOT23-5	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: SI9122DLP-T1-E3 Description: IC REG CTRLR HALF-BRG MLP65-20	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: SI9122ADQ-T1-E3 Description: IC REG CTRLR HALF-BRIDGE 20TSSOP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: SI9140DY-T1-E3 Description: IC REG CTRLR BUCK 16SOIC	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: SI9122EDLP-T1-E3 Description: IC REG CTRLR HALF-BRG MLP65-20	Manufacturers: Electro-Films (EFI) / Vishay	RFQ

Related keywords for SI9145BY-E3			
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