

## BD9E101FJ-LBGH2



**Part Number:** [BD9E101FJ-LBGH2](#)  
**Manufacturer:** [LAPIS Semiconductor](#)  
**Description:** 7.0V TO 36V INPUT, 1.0 A INTEGRA  
**Data sheet:** [BD9E101FJ-LB](#)  
[SOP-J8 Small Reel Taping Spec](#)

**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

<b>Part Number</b>	BD9E101FJ-LBGH2	<b>Manufacturer</b>	<a href="#">LAPIS Semiconductor</a>
<b>Description</b>	7.0V TO 36V INPUT, 1.0 A INTEGRA	<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Quantity Available</b>	61495 pcs	<b>Data sheet</b>	<a href="#">BD9E101FJ-LB</a> <a href="#">SOP-J8 Small Reel Taping Spec</a>
<b>Category</b>	<a href="#">Integrated Circuits (ICs)</a>	<b>Voltage - Output (Min/Fixed)</b>	1V
<b>Voltage - Output (Max)</b>	25.2V	<b>Voltage - Input (Min)</b>	7V
<b>Voltage - Input (Max)</b>	36V	<b>Topology</b>	Buck
<b>Synchronous Rectifier</b>	Yes	<b>Supplier Device Package</b>	8-SOP-J
<b>Series</b>	-	<b>Packaging</b>	Tape & Reel (TR)
<b>Package / Case</b>	8-SOIC (0.154", 3.90mm Width)	<b>Output Type</b>	Adjustable
<b>Output Configuration</b>	Positive	<b>Other Names</b>	BD9E101FJ-LBGH2TR
<b>Operating Temperature</b>	-40°C ~ 150°C (TJ)	<b>Number of Outputs</b>	1
<b>Mounting Type</b>	Surface Mount	<b>Moisture Sensitivity Level (MSL)</b>	1 (Unlimited)
<b>Manufacturer Standard Lead Time</b>	12 Weeks	<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Function</b>	Step-Down	<b>Frequency - Switching</b>	570kHz
<b>Detailed Description</b>	Buck Switching Regulator IC Positive Adjustable 1V 1 Output 1A 8-SOIC (0.154", 3.90mm Width)	<b>Current - Output</b>	1A

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### RELATED PRODUCTS

	<b>Part#:</b> <a href="#">BD9D321EFJ-EVK-101</a> <b>Description:</b> EVAL BOARD BD9D321EFJ-E2 FET REG	<b>Manufacturers:</b> <a href="#">LAPIS Semiconductor</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">BD9E300EFJ-EVK-001</a> <b>Description:</b> EVAL BOARD BD9E300EFJ	<b>Manufacturers:</b> <a href="#">LAPIS Semiconductor</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">BD9D322QWZ-E2</a> <b>Description:</b> STANDARDINTEGRATED FETBUCKSYNCHR	<b>Manufacturers:</b> <a href="#">LAPIS Semiconductor</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">BD9E103FJ-E2</a> <b>Description:</b> STANDARDINTEGRATED FETBUCKSYNCHR	<b>Manufacturers:</b> <a href="#">LAPIS Semiconductor</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">BD9E101FJ-EVK-001</a> <b>Description:</b> EVAL BOARD BD9E101FJ	<b>Manufacturers:</b> <a href="#">LAPIS Semiconductor</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">BD9E102FJ-GE2</a> <b>Description:</b> IC REG BUCK ADJ 1A SYNC 8SOIC	<b>Manufacturers:</b> <a href="#">LAPIS Semiconductor</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">BD9E151NUX-TR</a> <b>Description:</b> IC REG BUCK ADJ 1.2A 8VSON	<b>Manufacturers:</b> <a href="#">LAPIS Semiconductor</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">BD9E100FJ-LBGE2</a> <b>Description:</b> IC REG BUCK ADJ 1A SYNC 8SOP	<b>Manufacturers:</b> <a href="#">LAPIS Semiconductor</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">BD9E100FJ-EVK-001</a> <b>Description:</b> EVAL BOARD BD9E100FJ	<b>Manufacturers:</b> <a href="#">LAPIS Semiconductor</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">BD9E102FJ-EVK-001</a> <b>Description:</b> EVAL BOARD BD9E102FJ	<b>Manufacturers:</b> <a href="#">LAPIS Semiconductor</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">BD9E151NUX-EVK-101</a> <b>Description:</b> EVAL BOARD BD9E151NUX FET REG	<b>Manufacturers:</b> <a href="#">LAPIS Semiconductor</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">BD9E101FJ-LBGE2</a> <b>Description:</b> IC REG BUCK ADJ 1A SYNC 8SOP	<b>Manufacturers:</b> <a href="#">LAPIS Semiconductor</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">BD9D321EFJ-E2</a> <b>Description:</b> IC REG BUCK ADJ 3A SYNC 8HTSOP	<b>Manufacturers:</b> <a href="#">LAPIS Semiconductor</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">BD9E100FJ-LBGH2</a> <b>Description:</b> 7.0V TO 36V INPUT, 1.0 A INTEGRA	<b>Manufacturers:</b> <a href="#">LAPIS Semiconductor</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">BD9D321EFJ-EVK-001</a> <b>Description:</b> EVAL BOARD BD9D321EFJ	<b>Manufacturers:</b> <a href="#">LAPIS Semiconductor</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">BD9E300EFJ-LBE2</a> <b>Description:</b> IC REG BUCK ADJ 2.5A SYNC 8HTSOP	<b>Manufacturers:</b> <a href="#">LAPIS Semiconductor</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">BD9E300EFJ-LBH2</a> <b>Description:</b> 7.0V TO 36V INPUT, 2.5A INTEGRAT	<b>Manufacturers:</b> <a href="#">LAPIS Semiconductor</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">BD9E104FJ-E2</a> <b>Description:</b> 7.0 V TO 26.0 V INPUT, 1 A INTEG	<b>Manufacturers:</b> <a href="#">LAPIS Semiconductor</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">BD9E102FJ-E2</a> <b>Description:</b> IC REG BUCK ADJ 1A SYNC 8SOIC	<b>Manufacturers:</b> <a href="#">LAPIS Semiconductor</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">BD9D323QWZ-E2</a> <b>Description:</b> 4.5V TO 18V INPUT, 3.0A INTEGRAT	<b>Manufacturers:</b> <a href="#">LAPIS Semiconductor</a>	<a href="#">RFQ</a>

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