



BD2201GUL-E2 Information



For Reference Only

Part Number BD2201GUL-E2
Manufacturer Rohm Semiconductor
Category Integrated Circuits (ICs)

PMIC - Power Distribution Switches, Load Drivers

Description IC LOAD SWITCH PORTABLE 50VCSP

Package 6-UFBGA, CSPBGA

For the pricing/inventory/lead time, please contact

us

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BD2201GUL-E2 Specifications

Manufacturer Part Number BD2201GUL-E2 Manufacturer Rohm Semiconductor Category Integrated Circuits (ICs) Package 6-UFBGA, CSPBGA Series - Switch Type General Purpose Number of Outputs 1 Ratio - Input:Output 1:1 Output Configuration High Side Output Type N-Channel Interface On/Off Voltage - Load 2.7 V ~ 5.5 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 1A Rds On (Typ) 100 mOhm Input Type Non-Inverting Features Load Discharge, Slew Rate Controlled Fault Protection - Operating Temperature -25°C ~ 85°C (TA)		
CategoryIntegrated Circuits (ICs)PMIC - Power Distribution Switches, Load DriversPackage6-UFBGA, CSPBGASeries-Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)1ARds On (Typ)100 mOhmInput TypeNon-InvertingFeaturesLoad Discharge, Slew Rate ControlledFault Protection-	Manufacturer Part Number	BD2201GUL-E2
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Package6-UFBGA, CSPBGASeries-Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)1ARds On (Typ)100 mOhmInput TypeNon-InvertingFeaturesLoad Discharge, Slew Rate ControlledFault Protection-	Category	Integrated Circuits (ICs)
Series-Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)1ARds On (Typ)100 mOhmInput TypeNon-InvertingFeaturesLoad Discharge, Slew Rate ControlledFault Protection-		PMIC - Power Distribution Switches, Load Drivers
Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)1ARds On (Typ)100 mOhmInput TypeNon-InvertingFeaturesLoad Discharge, Slew Rate ControlledFault Protection-	Package	6-UFBGA, CSPBGA
Number of Outputs Ratio - Input:Output 1:1 Output Configuration High Side Output Type N-Channel Interface On/Off Voltage - Load 2.7 V ~ 5.5 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) Rds On (Typ) Input Type Non-Inverting Features Load Discharge, Slew Rate Controlled Fault Protection 1:1 Non-Inverting Load Discharge, Slew Rate Controlled	Series	-
Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)1ARds On (Typ)100 mOhmInput TypeNon-InvertingFeaturesLoad Discharge, Slew Rate ControlledFault Protection-	Switch Type	General Purpose
Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)1ARds On (Typ)100 mOhmInput TypeNon-InvertingFeaturesLoad Discharge, Slew Rate ControlledFault Protection-	Number of Outputs	1
Output Type N-Channel Interface On/Off Voltage - Load 2.7 V ~ 5.5 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 1A Rds On (Typ) 100 mOhm Input Type Non-Inverting Features Load Discharge, Slew Rate Controlled Fault Protection -	Ratio - Input:Output	1:1
Interface On/Off Voltage - Load 2.7 V ~ 5.5 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 1A Rds On (Typ) 100 mOhm Input Type Non-Inverting Features Load Discharge, Slew Rate Controlled Fault Protection -	Output Configuration	High Side
Voltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)1ARds On (Typ)100 mOhmInput TypeNon-InvertingFeaturesLoad Discharge, Slew Rate ControlledFault Protection-	Output Type	N-Channel
Voltage - Supply (Vcc/Vdd) Current - Output (Max) Rds On (Typ) 100 mOhm Input Type Non-Inverting Features Load Discharge, Slew Rate Controlled Fault Protection -	Interface	On/Off
Current - Output (Max) Rds On (Typ) 100 mOhm Input Type Non-Inverting Features Load Discharge, Slew Rate Controlled Fault Protection -	Voltage - Load	2.7 V ~ 5.5 V
Rds On (Typ) 100 mOhm Input Type Non-Inverting Features Load Discharge, Slew Rate Controlled Fault Protection -	Voltage - Supply (Vcc/Vdd)	Not Required
Input Type Non-Inverting Features Load Discharge, Slew Rate Controlled Fault Protection -	Current - Output (Max)	1A
Features Load Discharge, Slew Rate Controlled Fault Protection -	Rds On (Typ)	100 mOhm
Fault Protection -	Input Type	Non-Inverting
	Features	Load Discharge, Slew Rate Controlled
Operating Temperature $-25^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$	Fault Protection	-
	Operating Temperature	$-25^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$
Package / Case 6-UFBGA, CSPBGA	Package / Case	6-UFBGA, CSPBGA
Supplier Device Package VCSP50L1	Supplier Device Package	VCSP50L1
Report errors?		Report errors?

BD2201GUL-E2 Guarantees



Quality 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.

BD2201GUL-E2 Payment Methods



















BD2201GUL-E2 Shipping Methods













If you have any question about BD2201GUL-E2, please do not hesitate to contact us!

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