



LP2989AILD-285 Information



For Reference Only

Part Number LP2989AILD-285

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description IC REG LINEAR 2.85V 500MA 8WSON

Package 8-WDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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LP2989AILD-285 Specifications

Manufacturer Part Number LP2989AILD-285 Manufacturer Texas Instruments Category Integrated Circuits (ICs) Package 8-WDFN Exposed Pad Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 16V Voltage - Output (Min/Fixed) 2.85V Voltage - Output (Max) - Voltage Dropout (Max) 0.65V @ 500mA Current - Output 500mA Current - Supply (Max) 175µA ~ 9mA PSRR 60dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature, Short Circuit Operating Temperature 4.0°C ~ 125°C Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-WSON (4x4)	*	
Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package 8-WDFN Exposed Pad Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 16V Voltage - Output (Min/Fixed) 2.85V Voltage - Output (Max) - Voltage Dropout (Max) 0.65V @ 500mA Current - Output 500mA Current - Quiescent (Iq) - Current - Supply (Max) 175μA ~ 9mA PSRR 60dB (1kHz) Control Features 60dB (1kHz) Control Features Over Current, Over Temperature, Short Circuit Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-WSON (4x4)	Manufacturer Part Number	LP2989AILD-285
Package 8-WDFN Exposed Pad Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 16V Voltage - Output (Min/Fixed) 2.85V Voltage - Output (Max) - Voltage Dropout (Max) 0.65V @ 500mA Current - Output Current - Quiescent (Iq) - Current - Supply (Max) 175µA ~ 9mA PSRR 60dB (1kHz) Control Features Over Current, Over Temperature, Short Circuit Operating Temperature 4-0°C ~ 125°C Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-WSON (4x4)	Manufacturer	Texas Instruments
Package 8-WDFN Exposed Pad Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 16V Voltage - Output (Min/Fixed) 2.85 V Voltage - Output (Max) - Voltage Dropout (Max) 0.65 V @ 500mA Current - Output 500mA Current - Quiescent (Iq) - Current - Supply (Max) 175μA ~ 9mA PSRR 60dB (1kHz) Control Features Over Current, Over Temperature, Short Circuit Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-WSON (4x4)	Category	Integrated Circuits (ICs)
Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 16V Voltage - Output (Min/Fixed) 2.85V Voltage - Output (Max) - Voltage - Output (Max) 0.65V @ 500mA Current - Output (Max) 500mA Current - Quiescent (Iq) - Current - Supply (Max) 175µA ~ 9mA PSRR 60dB (1kHz) Control Features 6ver Current, Over Temperature, Short Circuit Operating Temperature 40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-WSON (4x4)		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)16VVoltage - Output (Min/Fixed)2.85VVoltage - Output (Max)-Voltage Dropout (Max)0.65V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)175µA ~ 9mAPSRR60dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-WSON (4x4)	Package	8-WDFN Exposed Pad
Output TypeFixedNumber of Regulators1Voltage - Input (Max)16VVoltage - Output (Min/Fixed)2.85VVoltage - Output (Max)-Voltage Dropout (Max)0.65V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)175μA ~ 9mAPSRR60dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-WSON (4x4)	Series	-
Number of Regulators1Voltage - Input (Max)16VVoltage - Output (Min/Fixed)2.85VVoltage - Output (Max)-Voltage Dropout (Max)0.65V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)175μA ~ 9mAPSRR60dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-WSON (4x4)	Output Configuration	Positive
Voltage - Input (Max)16VVoltage - Output (Min/Fixed)2.85VVoltage - Output (Max)-Voltage Dropout (Max)0.65V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)175μA ~ 9mAPSRR60dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-WSON (4x4)	Output Type	Fixed
Voltage - Output (Min/Fixed)2.85 VVoltage - Output (Max)-Voltage Dropout (Max)0.65 V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)175μA ~ 9mAPSRR60dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-WSON (4x4)	Number of Regulators	1
Voltage - Output (Max) Voltage Dropout (Max) Current - Output 500mA Current - Quiescent (Iq) - Current - Supply (Max) 175μA ~ 9mA PSRR 60dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature, Short Circuit Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package	Voltage - Input (Max)	16V
Voltage Dropout (Max)0.65 V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)175μA ~ 9mAPSRR60dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-WSON (4x4)	Voltage - Output (Min/Fixed)	2.85V
Current - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)175μA ~ 9mAPSRR60dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-WSON (4x4)	Voltage - Output (Max)	-
Current - Quiescent (Iq)-Current - Supply (Max)175μA ~ 9mAPSRR60dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-WSON (4x4)	Voltage Dropout (Max)	0.65V @ 500mA
Current - Supply (Max)175μA ~ 9mAPSRR60dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-WSON (4x4)	Current - Output	500mA
PSRR 60dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature, Short Circuit Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-WSON (4x4)	Current - Quiescent (Iq)	-
Control Features Protection Features Over Current, Over Temperature, Short Circuit -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-WSON (4x4)	Current - Supply (Max)	175μA ~ 9mA
Protection Features Over Current, Over Temperature, Short Circuit -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-WSON (4x4)	PSRR	60dB (1kHz)
Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-WSON (4x4)	Control Features	Enable
Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-WSON (4x4)	Protection Features	Over Current, Over Temperature, Short Circuit
Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-WSON (4x4)	Operating Temperature	-40°C ~ 125°C
Supplier Device Package 8-WSON (4x4)	Mounting Type	Surface Mount
	Package / Case	8-WDFN Exposed Pad
Report errors?	Supplier Device Package	8-WSON (4x4)
		Report errors?

LP2989AILD-285 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.

LP2989AILD-285 Payment Methods



















LP2989AILD-285 Shipping Methods













If you have any question about LP2989AILD-285, please do not hesitate to contact us!

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