



TCR2LN31,LF Information



For Reference Only

Part Number TCR2LN31,LF

Manufacturer Toshiba Semiconductor and Storage

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description 200MA LDO VOUT=3.1V DROPOUT=200M

Package 4-XFDFN 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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TCR2LN31,LF Specifications

Manufacturer Part Number TCR2LN31,LF Manufacturer Toshiba Semiconductor and Storage Category Integrated Circuits (ICs) Package 4-XFDFN Exposed Pad Series TCR2LN Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 3.1V Voltage - Output (Max) - Voltage Dropout (Max) 0.28V @ 150mA Current - Output 200mA Current - Supply (Max) - PSRR - Control Features Over Current Operating Temperature 40°C ~ 85°C Mounting Type Surface Mount Package / Case 4-XFDFN Exposed Pad Supplier Device Package 4-SDFN (0.8x0.8)		
Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package 4-XFDFN Exposed Pad Series TCR2LN Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 3.1V Voltage - Output (Max) - Voltage Dropout (Max) 0.28V @ 150mA Current - Output 200mA Current - Quiescent (Iq) 2µA Current - Supply (Max) - PSRR - Control Features Enable Protection Features Over Current Operating Temperature 40°C ~ 85°C Mounting Type Surface Mount Package / Case 4-XFDFN Exposed Pad Supplier Device Package 4-SDFN (0.8x0.8)	Manufacturer Part Number	TCR2LN31,LF
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Package 4-XFDFN Exposed Pad Series TCR2LN Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 3.1V Voltage - Output (Max) - Voltage Dropout (Max) 0.28V @ 150mA Current - Output 200mA Current - Quiescent (Iq) 2µA Current - Supply (Max) - PSRR - Control Features Dover Current Operating Temperature 40°C ~ 85°C Mounting Type Surface Mount Package / Case 4-XFDFN Exposed Pad Supplier Device Package 4-SDFN (0.8x0.8)	Category	Integrated Circuits (ICs)
Series TCR2LN Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 3.1V Voltage - Output (Max) - Voltage - Output (Max) - Voltage Dropout (Max) 0.28V @ 150mA Current - Output 200mA Current - Quiescent (Iq) 2µA Current - Supply (Max) - PSRR - Control Features Enable Protection Features Over Current Operating Temperature 40°C ~ 85°C Mounting Type Surface Mount Package / Case 4-XFDFN Exposed Pad Supplier Device Package 4-SDFN (0.8x0.8)		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3.1VVoltage - Output (Max)-Voltage Dropout (Max)0.28V @ 150mACurrent - Output200mACurrent - Quiescent (Iq)2μACurrent - Supply (Max)-PSRR-Control FeaturesEnableProtection FeaturesOver CurrentOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case4-XFDFN Exposed PadSupplier Device Package4-SDFN (0.8x0.8)	Package	4-XFDFN Exposed Pad
Output TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3.1VVoltage - Output (Max)-Voltage Dropout (Max)0.28V @ 150mACurrent - Output200mACurrent - Quiescent (Iq)2μACurrent - Supply (Max)-PSRR-Control FeaturesEnableProtection FeaturesOver CurrentOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case4-XFDFN Exposed PadSupplier Device Package4-SDFN (0.8x0.8)	Series	TCR2LN
Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 3.1V Voltage - Output (Max) - Voltage Dropout (Max) 0.28V @ 150mA Current - Output 200mA Current - Quiescent (Iq) 2μA Current - Supply (Max) - PSRR - Control Features Enable Protection Features Over Current Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 4-XFDFN Exposed Pad Supplier Device Package 4-SDFN (0.8x0.8)	Output Configuration	Positive
Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3.1VVoltage - Output (Max)-Voltage Dropout (Max)0.28V @ 150mACurrent - Output200mACurrent - Quiescent (Iq)2μACurrent - Supply (Max)-PSRR-Control FeaturesEnableProtection FeaturesOver CurrentOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case4-XFDFN Exposed PadSupplier Device Package4-SDFN (0.8x0.8)	Output Type	Fixed
Voltage - Output (Min/Fixed)3.1VVoltage - Output (Max)-Voltage Dropout (Max)0.28V @ 150mACurrent - Output200mACurrent - Quiescent (Iq)2μACurrent - Supply (Max)-PSRR-Control FeaturesEnableProtection FeaturesOver CurrentOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case4-XFDFN Exposed PadSupplier Device Package4-SDFN (0.8x0.8)	Number of Regulators	1
Voltage - Output (Max)-Voltage Dropout (Max)0.28V @ 150mACurrent - Output200mACurrent - Quiescent (Iq)2μACurrent - Supply (Max)-PSRR-Control FeaturesEnableProtection FeaturesOver CurrentOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case4-XFDFN Exposed PadSupplier Device Package4-SDFN (0.8x0.8)	Voltage - Input (Max)	5.5V
Voltage Dropout (Max) Current - Output 200mA Current - Quiescent (Iq) 2µA Current - Supply (Max) PSRR - Control Features Enable Protection Features Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case Supplier Device Package 4-SDFN (0.8x0.8)	Voltage - Output (Min/Fixed)	3.1V
Current - Output200mACurrent - Quiescent (Iq)2μACurrent - Supply (Max)-PSRR-Control FeaturesEnableProtection FeaturesOver CurrentOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case4-XFDFN Exposed PadSupplier Device Package4-SDFN (0.8x0.8)	Voltage - Output (Max)	-
Current - Quiescent (Iq)2μACurrent - Supply (Max)-PSRR-Control FeaturesEnableProtection FeaturesOver CurrentOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case4-XFDFN Exposed PadSupplier Device Package4-SDFN (0.8x0.8)	Voltage Dropout (Max)	0.28V @ 150mA
Current - Supply (Max) PSRR - Control Features Enable Protection Features Over Current Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 4-XFDFN Exposed Pad Supplier Device Package 4-SDFN (0.8x0.8)	Current - Output	200mA
PSRR Control Features Enable Protection Features Over Current Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 4-XFDFN Exposed Pad Supplier Device Package 4-SDFN (0.8x0.8)	Current - Quiescent (Iq)	2μΑ
Control Features Enable Over Current Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 4-XFDFN Exposed Pad Supplier Device Package 4-SDFN (0.8x0.8)	Current - Supply (Max)	-
Protection Features Over Current Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case 4-XFDFN Exposed Pad Supplier Device Package 4-SDFN (0.8x0.8)	PSRR	-
Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 4-XFDFN Exposed Pad Supplier Device Package 4-SDFN (0.8x0.8)	Control Features	Enable
Mounting Type Surface Mount Package / Case 4-XFDFN Exposed Pad Supplier Device Package 4-SDFN (0.8x0.8)	Protection Features	Over Current
Package / Case 4-XFDFN Exposed Pad Supplier Device Package 4-SDFN (0.8x0.8)	Operating Temperature	-40°C ~ 85°C
Supplier Device Package 4-SDFN (0.8x0.8)	Mounting Type	Surface Mount
, , ,	Package / Case	4-XFDFN Exposed Pad
Report errors?	Supplier Device Package	4-SDFN (0.8x0.8)
		Report errors?

TCR2LN31,LF 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.

TCR2LN31,LF Payment Methods





















TCR2LN31,LF Shipping Methods













If you have any question about TCR2LN31,LF, please do not hesitate to contact us!

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