

# TLS203B0EJV33XUMA1

#### TLS203B0EJV33XUMA1 Information



For Reference Only

Part Number TLS203B0EJV33XUMA1
Manufacturer Infineon Technologies
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

**Description** IC REG LINEAR 3.3V 300MA 8DSO

**Package** 8-SOIC (0.154", 3.90mm Width) 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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### TLS203B0EJV33XUMA1 Specifications

Manufacturer Part Number         TL\$203B0EJV33XUMA1           Manufacturer         Infineon Technologies           Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         8-SOIC (0.154", 3.90mm Width) Exposed Pad           Series         Automotive, AEC-Q100           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         20V           Voltage - Output (Min/Fixed)         3.3V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.4 @ 300mA           Current - Output         300mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         60µA ~ 12mA           PSRR         65dB (120Hz)           Control Features         Enable           Protection Features         Over Current, Over Temperature, Reverse Polarity           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         8-SOIC (0.154", 3.90mm Width) Exposed Pad		
Category   Integrated Circuits (ICs)	Manufacturer Part Number	TLS203B0EJV33XUMA1
PMIC - Voltage Regulators - Linear         Package       8-SOIC (0.154", 3.90mm Width) Exposed Pad         Series       Automotive, AEC-Q100         Output Configuration       Positive         Output Type       Fixed         Number of Regulators       1         Voltage - Input (Max)       20V         Voltage - Output (Min/Fixed)       3.3V         Voltage - Output (Max)       -         Voltage Dropout (Max)       0.4 @ 300mA         Current - Output       300mA         Current - Quiescent (Iq)       -         Current - Supply (Max)       60μA ~ 12mA         PSRR       65dB (120Hz)         Control Features       Enable         Protection Features       Over Current, Over Temperature, Reverse Polarity         Operating Temperature       -40°C ~ 125°C         Mounting Type       Surface Mount	Manufacturer	Infineon Technologies
Package8-SOIC (0.154", 3.90mm Width) Exposed PadSeriesAutomotive, AEC-Q100Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)20VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.4 @ 300mACurrent - Output300mACurrent - Quiescent (Iq)-Current - Supply (Max)60μA ~ 12mAPSRR65dB (120Hz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface Mount	Category	Integrated Circuits (ICs)
Series Automotive, AEC-Q100  Output Configuration Positive  Output Type Fixed  Number of Regulators 1  Voltage - Input (Max) 20V  Voltage - Output (Min/Fixed) 3.3V  Voltage - Output (Max) -  Voltage Dropout (Max) 0.4 @ 300mA  Current - Output 300mA  Current - Quiescent (Iq) -  Current - Supply (Max) 60µA ~ 12mA  PSRR 65dB (120Hz)  Control Features Enable  Protection Features Over Current, Over Temperature, Reverse Polarity  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount		PMIC - Voltage Regulators - Linear
Output Configuration       Positive         Output Type       Fixed         Number of Regulators       1         Voltage - Input (Max)       20V         Voltage - Output (Min/Fixed)       3.3V         Voltage - Output (Max)       -         Voltage Dropout (Max)       0.4 @ 300mA         Current - Output       300mA         Current - Quiescent (Iq)       -         Current - Supply (Max)       60μA ~ 12mA         PSRR       65dB (120Hz)         Control Features       Enable         Protection Features       Over Current, Over Temperature, Reverse Polarity         Operating Temperature       -40°C ~ 125°C         Mounting Type       Surface Mount	Package	8-SOIC (0.154", 3.90mm Width) Exposed Pad
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Number of Regulators       1         Voltage - Input (Max)       20V         Voltage - Output (Min/Fixed)       3.3V         Voltage - Output (Max)       -         Voltage Dropout (Max)       0.4 @ 300mA         Current - Output       300mA         Current - Quiescent (Iq)       -         Current - Supply (Max)       60μA ~ 12mA         PSRR       65dB (120Hz)         Control Features       Enable         Protection Features       Over Current, Over Temperature, Reverse Polarity         Operating Temperature       -40°C ~ 125°C         Mounting Type       Surface Mount	Output Configuration	Positive
Voltage - Input (Max)       20V         Voltage - Output (Min/Fixed)       3.3V         Voltage - Output (Max)       -         Voltage Dropout (Max)       0.4 @ 300mA         Current - Output       300mA         Current - Quiescent (Iq)       -         Current - Supply (Max)       60μA ~ 12mA         PSRR       65dB (120Hz)         Control Features       Enable         Protection Features       Over Current, Over Temperature, Reverse Polarity         Operating Temperature       -40°C ~ 125°C         Mounting Type       Surface Mount	Output Type	Fixed
Voltage - Output (Min/Fixed)       3.3V         Voltage - Output (Max)       -         Voltage Dropout (Max)       0.4 @ 300mA         Current - Output       300mA         Current - Quiescent (Iq)       -         Current - Supply (Max)       60μA ~ 12mA         PSRR       65dB (120Hz)         Control Features       Enable         Protection Features       Over Current, Over Temperature, Reverse Polarity         Operating Temperature       -40°C ~ 125°C         Mounting Type       Surface Mount	Number of Regulators	1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Voltage - Input (Max)	20V
Voltage Dropout (Max) $0.4 @ 300 mA$ Current - Output $300 mA$ Current - Quiescent (Iq)-Current - Supply (Max) $60 \mu A \sim 12 mA$ PSRR $65 dB (120 Hz)$ Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface Mount	Voltage - Output (Min/Fixed)	3.3V
Current - Output $300 \text{mA}$ Current - Quiescent (Iq) -  Current - Supply (Max) $60 \mu \text{A} \sim 12 \text{mA}$ PSRR $65 \text{dB} (120 \text{Hz})$ Control Features Enable  Protection Features Over Current, Over Temperature, Reverse Polarity  Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount	Voltage - Output (Max)	-
$\begin{array}{cccc} & & & & & & & & & & & \\ & & & & & & & $	Voltage Dropout (Max)	0.4 @ 300mA
Current - Supply (Max) $60\mu A \sim 12mA$ PSRR $65dB (120Hz)$ Control Features Enable  Protection Features Over Current, Over Temperature, Reverse Polarity  Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Mounting Type Surface Mount	Current - Output	300mA
PSRR 65dB (120Hz)  Control Features Enable  Protection Features Over Current, Over Temperature, Reverse Polarity  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount	Current - Quiescent (Iq)	-
Control Features  Protection Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount	Current - Supply (Max)	$60\mu$ A ~ $12$ mA
Protection Features Over Current, Over Temperature, Reverse Polarity Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount	PSRR	65dB (120Hz)
Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount	Control Features	Enable
Mounting Type Surface Mount	Protection Features	Over Current, Over Temperature, Reverse Polarity
	Operating Temperature	-40°C ~ 125°C
Package / Case 8-SOIC (0.154", 3.90mm Width) Exposed Pad	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.154", 3.90mm Width) Exposed Pad
Supplier Device Package PG-DSO-8, e-Pad	Supplier Device Package	PG-DSO-8, e-Pad
Report errors		Report errors?

#### TLS203B0EJV33XUMA1 Guarantees



#### **Ouality 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.

### TLS203B0EJV33XUMA1 Payment Methods



















## TLS203B0EJV33XUMA1 Shipping Methods













If you have any question about TLS203B0EJV33XUMA1, please do not hesitate to contact us!

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