

Device Information

ISL6247

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Multi-Phase PWM Controller for Mobile Intel Pentium 4

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Ordering Information



Green/Pb (Lead) Free Device

Part No.	Status Temp.	Package	Price		
			MSL	US \$	
ISL6247CR	Active Comm	40 Ld QFN	1	3.20	Purchase
ISL6247CR-T	Active Comm	40 Ld QFN T+R	1	3.20	Purchase
ISL6247CRZ	Active Comm	40 Ld QFN	3	3.15	Purchase
ISL6247CRZ-T	Active Comm	40 Ld QFN T+R	3	3.20	Purchase

The price listed is the manufacturer's suggested retail price for quantities up to 999 units and may change without notice.

MSL = Moisture Sensitivity Level - per IPC/JEDEC J-STD-020

SMD = Standard Microcircuit Drawing

Description

The ISL6247 datasheet is restricted to IMVP licensees only. To request a datasheet please email John Nettle at jnette@intersil.com

Related Documentation



Datasheet(s):

- [The ISL6247 datasheet is restricted to IMVP licensees only. To request a datasheet please email John Nettle at \[jnette@intersil.com\]\(mailto:jnette@intersil.com\)](#)

Parametric Data

V_{IN} (min) (V)	5.5
V_{IN} (max) (V)	25
V_{OUT} (min) (V)	License Required for Additional Data

Related Devices

[Parametric Table](#)

<u>HIP6301</u>	PWM Controller, 2-4 Phase Sync Buck, 1.10V to 1.85V, $\pm 1.0\%$ Reg, Programmable Droop Voltage, 5-Bit VID DAC
<u>HIP6301V</u>	PWM Controller, 2-4 Phase Sync Buck, 1.10V to 1.85V, $\pm 0.8\%$ Reg, Programmable Droop Voltage, 5-Bit Dynamic VID DAC
<u>HIP6302</u>	PWM Controller, 2 Phase Sync Buck, 1.10V to 1.85V, $\pm 1.0\%$ Reg, Programmable Droop Voltage, 5-Bit VID DAC
<u>HIP6302V</u>	PWM Controller, 2 Phase Sync Buck, 1.10V to 1.85V, $\pm 0.8\%$ Reg, Programmable Droop Voltage, 5-Bit Dynamic VID DAC
<u>HIP6303</u>	PWM Controller, 2-4 Phase Sync Buck, 4-Bit VID DAC, 1.30V to 2.05V in 50mV Steps, $\pm 1\%$ Reg, AMD Athlon Compatible
<u>HIP6311</u>	PWM Controller, 2-4 Phase Sync Buck, 5-Bit VID DAC, 1.100V to 1.850V in 25mV Steps, $\pm 0.8\%$ Reg, Prog Droop Voltage
<u>HIP6311A</u>	PWM Controller, 2-4 Phase Sync Buck, 5-Bit VID DAC, 1.100V to 1.850V in 25mV Steps, $\pm 0.5\%$ Reg, Prog Droop Voltage
<u>ISL6215</u>	PWM Controller for Intel Pentium 4-M
<u>ISL6216</u>	PWM Controller for Intel Pentium M
<u>ISL6217</u>	PWM Controller for Intel Pentium M
<u>ISL6219A</u>	PWM Controller, 5-Bit VID Input for Intel Pentium 4
<u>ISL6223</u>	PWM Controller, 5-Bit VID Input for AMD Athlon
<u>ISL6244</u>	PWM Controller, Multiphase Power Controller with 2, 3, or 4 Phase for AMD Mobile Hammer
<u>ISL6552</u>	PWM Controller, 2-4 Phase, 5-Bit VID, $\pm 1\%$ Reg, V _{CORE} = 1.05/1.825V
<u>ISL6553</u>	PWM Controller, 2-Phase, 5-Bit VID, $\pm 1\%$ Reg, V _{CORE} = 1.05/1.825V
<u>ISL6554</u>	PWM Controller, 2-4 Phase, Intel® Itanium™ Processor, Without Programmable Droop, 5-Bit VID, $\pm 1\%$ Reg
<u>ISL6556A</u>	PWM Controller, 2-4 Phase, 6-Bit VID, V _{OUT} = 0.8375 to 1.60V, $\pm 0.5\%$ Reg, RDS (on)sensing with External Temp Compensation, >1MHz operation, Application = uP Core Voltage VR10.X, use with HIP6601B
<u>ISL6556B</u>	PWM Controller, 2-4 Phase, 6-Bit VID, V _{OUT} = 0.8375 to 1.60V, $\pm 0.5\%$ Reg, RDS on)sensing and Internal Temp Compensation, >1MHz operation, Application = μ P Core Voltage VR10.X, use with HIP6601B
<u>ISL6557A</u>	PWM Controller, 2-4 Phase, 5-Bit Dynamic-VID, $\pm 0.8\%$ Regulation, Adjust UV Threshold
<u>ISL6559</u>	PWM Controller, 2-4 Phase, 5-Bit VID, $\pm 1\%$ Reg, V _{CORE} = 0.80/1.55V
<u>ISL6560</u>	PWM Controller, 2-Phase Current Mode, 5-Bit VID, Reg $\pm 0.8\%$, 1.1-1.85 Voltage, VRM 9.0
<u>ISL6561</u>	PWM Controller, 2-4 Phase, 6-Bit VID, Precision R _{DS} (on) or DCR sensing, Reg $\pm 0.5\%$
<u>ISL6562</u>	PWM Controller, 2-Phase Current Mode, 5-Bit VID, Reg $\pm 0.8\%$, 1.05-1.825 Voltage, VRM 8.5
<u>ISL6563</u>	Two-Phase Multi-Phase Buck PWM Controller with Integrated MOSFET Drivers
<u>ISL6564</u>	Multi-Phase PWM Controller with Linear 6-bit DAC Capable of Precision r _{DS} (ON) or DCR Differential Current Sensing
<u>ISL6565A</u>	Multi-Phase PWM Controller with Precision r _{DS} (ON) or DCR Current Sensing for VR10.X Application
<u>ISL6565B</u>	Multi-Phase PWM Controller with Precision r _{DS} (ON) or DCR Current Sensing for VR10.X Application
<u>ISL6569</u>	PWM Controller, 2-Phase, 5-Bit DAC, Reg $\pm 1\%$, V _{CORE} = 0.80/1.55V
<u>ISL6569A</u>	PWM Controller, 2-Phase, 5-Bit DAC, Reg $\pm 0.5\%$, V _{CORE} = 0.80/1.55V

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