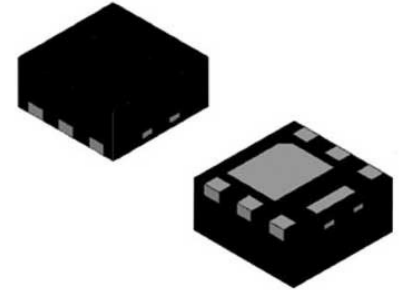


Conv DC-DC 5V to 21V Synchronous Step Down Single-Out 0.6V to 18.06V 25A T/R

Manufacturers	<a href="#">Infineon Technologies Corporation</a>
Package/Case	PQFN 5 x 6
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for IR3847MTRPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

Single 5V to 21V application

Output Voltage Range: 0.6V to 0.86\*P<sub>Vin</sub>

0.5% accurate Reference Voltage

Enhanced line/load regulation with Feed-Forward

Programmable Switching Frequency up to 1.5MHz

Internal Digital Soft-Start

Enable input with Voltage Monitoring Capability

Remote Sense Amplifier with True Differential Voltage Sensing

Thermally compensated current limit and Hiccup Mode Over Current Protection

SmartLDO to enhance light load efficiency

V<sub>p</sub> for tracking applications

V<sub>ref</sub> is available externally to enable margining

External synchronization with Smooth Clocking

Dedicated output voltage sensing for power good indication and overvoltage protection which remains active even when Enable is low.

Enhanced Pre-Bias Start up

Body Braking to improve transient

Integrated MOSFET drivers and Bootstrap diode

Operating junction temp:  $-40^{\circ}\text{C}$  where  $T_j$  is  $< 125^{\circ}\text{C}$

Thermal Shut Down

Post Package trimmed rising edge dead-time

Programmable Power Good Output with tracking

Small Size 5mm x 6mm PQFN

Pb-Free (RoHS Compliant)

Desktop and Workstations

Fan

Graphic Boards

Netcom and Telecom

Point of Load

Pump

Servers and Storage

Servo Drives

Solar

UPS

Welding

## Features

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## Related Products

## Application

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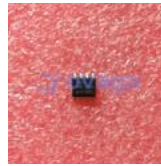
UPS

Welding



**[IRS2101SPBF](#)**

Infineon Technologies Corporation  
SOIC-8



**[IRS2003STRPBF](#)**

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SOIC-8



**[IRS21864SPBF](#)**

Infineon Technologies Corporation  
SOIC-14



**[IR3897MTRPBF](#)**

Infineon Technologies Corporation  
PQFN 4 x 5



**[IR3898MTRPBF](#)**

Infineon Technologies Corporation  
PQFN 4 x 5



**[IR21531SPBF](#)**

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