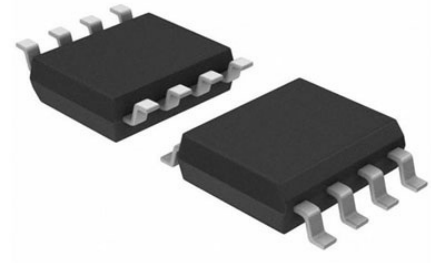


A new SMD package using Kelvin source concept

Manufacturers	<a href="#">Infineon Technologies Corporation</a>
Package/Case	PG-HSOF-8
Product Type	Transistors
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for IPT60R028G7XTMA1 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

For the first time the CoolMOS™ C7 Gold superjunction MOSFET series (G7) brings together the benefits of the improved 600V CoolMOS™ C7 Gold technology, 4pin Kelvin source capability and the improved thermal properties of the TO-Leadless (TOLL) package to enable a possible SMD solution for high current hard switching topologies such as power factor correction (PFC) up to 3kW and for resonant circuits such as high end LLC.

## Features

Gives best-in-class FOM  $R_{DS(on)} \times E_{oss}$  and  $R_{DS(on)} \times Q_G$

Enables best-in-class  $R_{DS(on)}$  in smallest footprint

Inbuilt 4 pin Kelvin source configuration and low parasitic source inductance (~1nH)

Is MSL1 compliant, total Pb-free, has easy visual inspection grooved leads

Enables improved thermal performance  $R_{th}$

Higher efficiency due to the improved C7 Gold technology and faster switching due to the package low parasitic source inductance and the 4pin Kelvin source concept

Improved power density due to low  $R_{DS(on)}$  in small footprint, by either replacing TO-packages (height restrictions) or paralleling SMD packages due to thermal or  $R_{DS(on)}$  requirements

Production cost reduction by moving to SMD through quicker assembly times

## Application

Telecom

Server

Solar

Industrial SMPS

## Related Products



[IPP60R070CFD7](#)

Infineon Technologies Corporation  
TO-220-3



[IPG20N04S4-12](#)

Infineon Technologies Corporation  
TDSON-8



[IPD25N06S4L-30](#)

Infineon Technologies Corporation  
PG-TO252-3



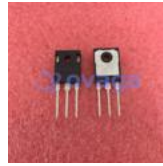
[IPP60R074C6](#)

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TO-220-3



[IPB180N06S4-H1](#)

Infineon Technologies Corporation  
PG-TO263-7-3



[IPW65R080CFD](#)

Infineon Technologies Corporation  
TO-247



[IPD180N10N3G](#)

Infineon Technologies Corporation  
TO-252



[IPD70R1K4P7S](#)

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TO252-3