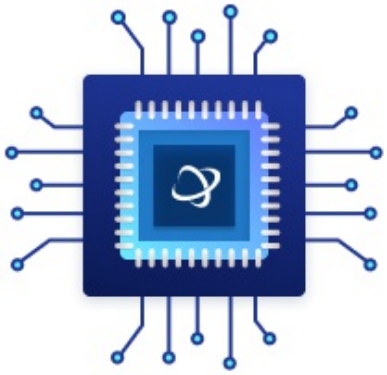
IPT65R033G7

Data Sheet

A new SMD package using Kelvin source concept

Manufacturers	Infineon Technologies Corporation
Package/Case	
Product Type	
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for IPT65R033G7 or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The CoolMOS™ C7 Gold superjunction MOSFET series (G7) for the first time brings together the benefits of the improved 650V CoolMOS™ C7 Gold technology, 4pin Kelvin source capability and the improved thermal properties of the TOLL package to enable an SMD solution for high current hard switching topologies such as power factor correction (PFC) up to 3kW.

Features

Gives best-in-class FOM R DS(on)*E oss and R DS(on)*Q G

Enables best-in-class R DS(on) in smallest footprint

Inbuilt 4th 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

FOM R DS(on)xQ G is 14% better than previous 650V CoolMOS™ C7 enabling faster switching leading to higher efficiency

Power density trough BIC 33mΩ in 115mm 2 TOLL footprint

Reducing parasitic source inductance by Kelvin source improves efficiency switching and ease-of-use

TOLL package is easy to use and has the highest quality standards

Improved thermals enable SMD TOLL package to be used in higher current designs than has been previously possible

Related Products

[IPB054N08N3G](#)

Infineon Technologies Corporation

TO-263

[IPA60R180C7](#)

Infineon Technologies Corporation

TO-220F

[IPD040N03LG](#)

Infineon Technologies Corporation

TO-252

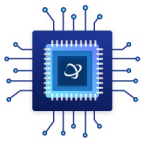
[IPP075N15N3](#)

Infineon Technologies Corporation

[IPD25CN10NG](#)

Infineon Technologies Corporation

TO-252



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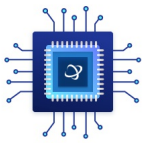

[IPAW60R180P7S](#)

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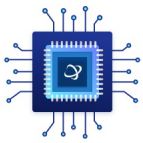

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