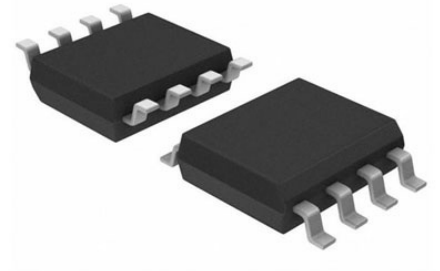


Infineon's best price performance 600V CoolMOS™ S7 Superjunction MOSFET for low frequency switching applications in TO-Leadless (TOLL) package

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 IPT60R022S7XTMA1 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

Infineon's 600V CoolMOS™ S7 Superjunction MOSFET (IPT60R022S7) in TO-Leadless (Pb-free) package comes with an optimized design lowering conduction losses. The 600V CoolMOS™ SJ MOSFET achieves higher energy efficiency and lowers bill of material expenses. The IPT60R022S7 enables the best RDS(on) x price for low frequency switching applications, like active bridge rectification, inverter stages, in-rush relays, PLCs, HV DC lines, power solid state relay (SSR) and solid state circuit breakers (SSCB).

## Features

Best-in-class RDS(on) in SMD packages

Optimized for conduction performance

Improved thermal resistance

High pulse current capability

Kelvin source pin improves switching performance at high current

The TOLL package is MSL1 compliant, total Pb-free and has easy visual inspection leads

Minimize conduction losses

Increase energy efficiency

More compact and easier designs

Eliminate or reduce heat sink in solid state design

Lower total cost of ownership (TCO) or bill-of-material (BOM) cost

## Application

SMPS

Solar energy systems

Battery and equipment protection

Solid state relays (SSR) and solid state circuit breakers (SSCB)

Indoor commercial lighting control

UPS

Low speed electric vehicles (LSEV)

Programmable logic controllers (PLC)

Room air conditioning

## Related Products



### [IPP60R070CFD7](#)

Infineon Technologies Corporation  
TO-220-3



### [IPG20N04S4-12](#)

Infineon Technologies Corporation  
TDSON-8



### [IPD25N06S4L-30](#)

Infineon Technologies Corporation  
PG-TO252-3



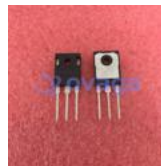
### [IPP60R074C6](#)

Infineon Technologies Corporation  
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](#)

Infineon Technologies Corporation  
TO252-3