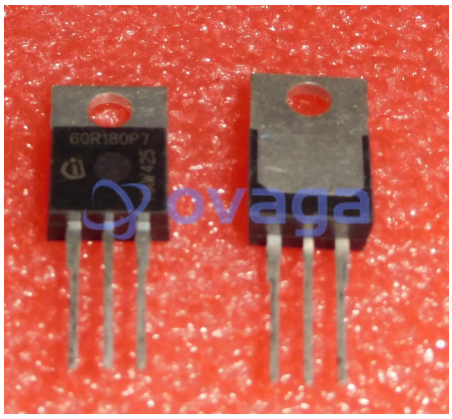
# IPP60R180P7XKSA1

Data Sheet

Trans MOSFET N-CH 600V 18A 3-Pin(3+Tab) TO-220 Tube

| | |
|---|---|
| Manufacturers | Infineon Technologies Corporation |
| Package/Case | TO220-3 |
| Product Type | Transistors |
| RoHS | |
| Lifecycle | |




Images are for reference only

Please submit RFQ for IPP60R180P7XKSA1 or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

## General Description

The 600V CoolMOS™ P7 is the successor to the 600V CoolMOS™ P6 series. It continues to balance the need for high efficiency against the ease-of-use in the design process. The best-in-class R onxA and the inherently low gate charge (Q G) of the CoolMOS™ 7th generation platform ensure its high efficiency.

## Features

600V P7 enables excellent FOM R DS(on)xE oss andR DS(on)xQ G

ESD ruggedness of ≥ 2kV (HBM class 2)

Integrated gate resistor R G

Rugged body diode

Wide portfolio in through hole and surface mount packages

Both standard grade and industrial grade parts are available

Excellent FOMs R DS(on)xQ G/R DS(on)xE oss enable higher efficiency

Ease-of-use in manufacturing environments by stopping ESD failures occurring

Integrated R G reduces MOSFET oscillation sensitivity

MOSFET is suitable for both hard and resonant switching topologies such as PFC and LLC

Excellent ruggedness during hard commutation of the body diode seen in LLC topology

Suitable for a wide variety of end applications and output powers

Parts available suitable for consumer and industrial applications

## Application

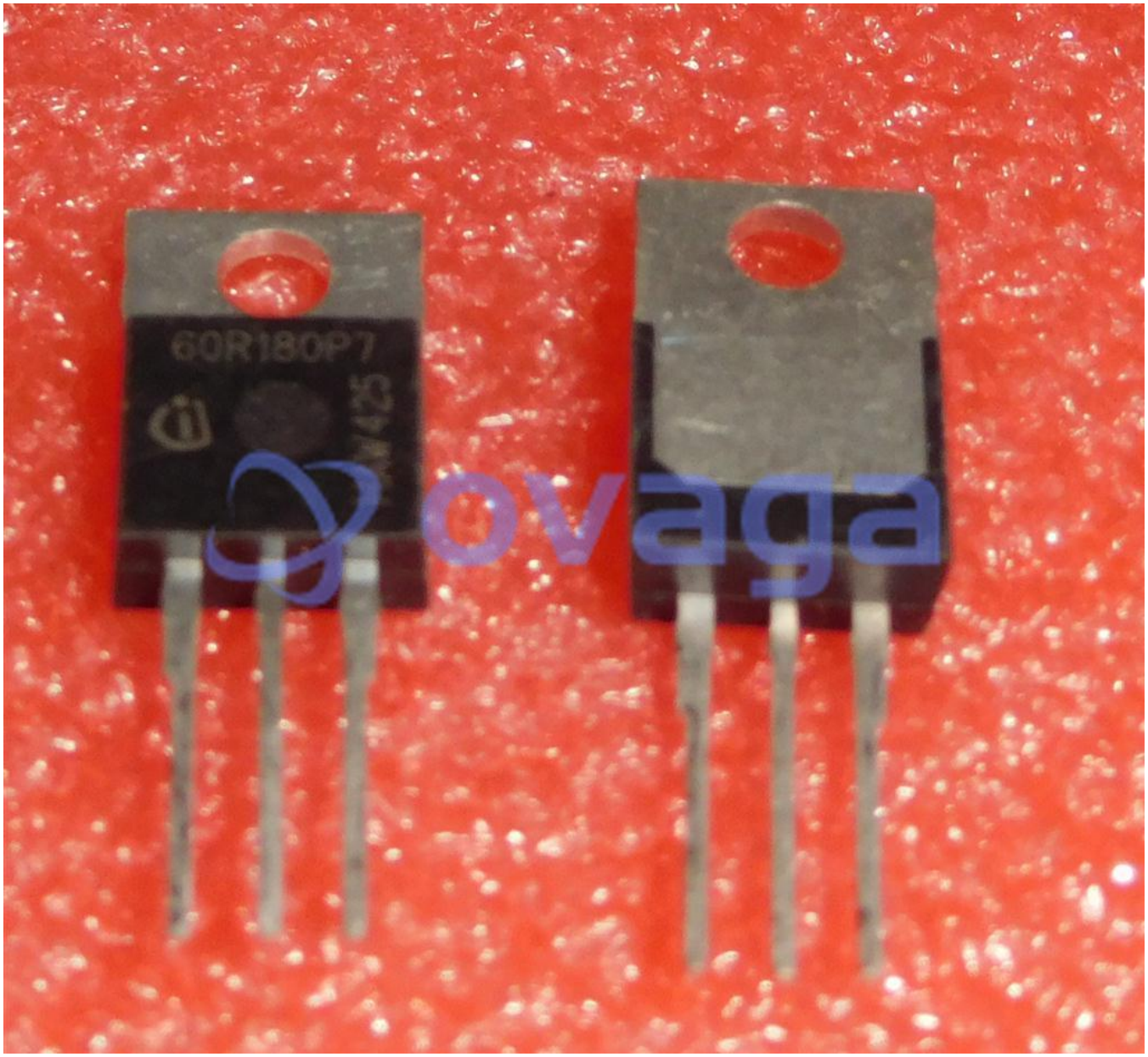
TV power supply

Industrial SMPS

Server

Telecom

Lighting




## Related Products

[IPP60R070CFD7](#)

Infineon Technologies Corporation

TO-220-3

[IPB180N06S4-H1](#)

Infineon Technologies Corporation

PG-TO263-7-3

[IPG20N04S4-12](#)

Infineon Technologies Corporation

TDSON-8

[IPW65R080CFD](#)

Infineon Technologies Corporation

TO-247

**IPD25N06S4L-30**

Infineon Technologies Corporation

PG-TO252-3

**IPD180N10N3G**

Infineon Technologies Corporation

TO-252

**IPP60R074C6**

Infineon Technologies Corporation

TO-220-3

**IPD70R1K4P7S**

Infineon Technologies Corporation

TO252-3