



# IPP60R600P7XKSA1

Manufacturer Part Number	<b>IPP60R600P7XKSA1</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-IPP60R600P7XKSA1
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 650V 6A TO220-3
Package	TO-220-3
Data sheet	IPP60R600P7XKSA1.pdf
RoHs Status	ROHS3 Compliant



**Get a Quote**

IPP60R600P7XKSA1 - Infineon Technologies.New Original in Stock. Download Linear Technology IPP60R600P7XKSA1 datasheet/specifications on AllelcoElec.com.  
Request a quote for IPP60R600P7XKSA1, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

IPP60R600P7XKSA1 Tech Specifications  
IPP60R600P7XKSA1 - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	4V @ 80µA	Mounting Type	Through Hole
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	363 pF @ 400 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	9 nC @ 10 V
Supplier Device Package	PG-TO220-3	FET Type	N-Channel
Series	CoolMOS™ P7	FET Feature	-
Rds On (Max) @ Id, Vgs	600mOhm @ 1.7A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	30W (Tc)	Drain to Source Voltage (Vdss)	650 V
Package / Case	TO-220-3	Current - Continuous Drain (Id) @ 25°C	6A (Tc)
Package	Tube	Base Product Number	IPP60R600

## Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPP60R600P7XKSA1

Product Attribute	NO PICTURE			
Part Number	IPP60R600P7XKSA1	IPP60R600E6	IPP60R600CP	IPP65R074C6XKSA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Package	Tube	Bulk	Bulk	Tube
Package / Case	TO-220-3	TO-220-3	TO-220-3	TO-220-3
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Series	CoolMOS™ P7	CoolMOS E6™	CoolMOS™	CoolMOS™
Input Capacitance (Ciss) (Max) @ Vds	363 pF @ 400 V	440 pF @ 100 V	550 pF @ 100 V	3020 pF @ 100 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Vgs(th) (Max) @ Id	4V @ 80µA	3.5V @ 200µA	3.5V @ 220µA	3.5V @ 1.4mA
Rds On (Max) @ Id, Vgs	600mOhm @ 1.7A, 10V	600mOhm @ 2.4A, 10V	600mOhm @ 3.3A, 10V	74mOhm @ 13.9A, 10V
Supplier Device Package	PG-TO220-3	PG-TO220-3-1	PG-TO220-3-1	PG-TO220-3
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Drain to Source Voltage (Vdss)	650 V	600 V	600 V	650 V
Vgs (Max)	±20V	±20V	±20V	±20V
FET Feature	-	-	-	-
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Power Dissipation (Max)	30W (Tc)	63W (Tc)	60W (Tc)	480.8W (Tc)
Base Product Number	IPP60R600	-	-	IPP65R
Gate Charge (Qg) (Max) @ Vgs	9 nC @ 10 V	20.5 nC @ 10 V	27 nC @ 10 V	17 nC @ 10 V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Current - Continuous Drain (Id) @ 25°C	6A (Tc)	7.3A (Tc)	6.1A (Tc)	57.7A (Tc)

## IPP60R600P7XKSA1 Datasheet PDF

Download IPP60R600P7XKSA1 pdf datasheets and Infineon Technologies documentation for IPP60R600P7XKSA1 - Infineon Technologies.

### PCN Assembly/Origin

Mult Dev Wafer Site Add 10/Mar/2021.pdf
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## Customers Also Interested in

### Recommended Products



**IPP60S360P7**  
Cypress Semiconductor  
(Infineon Technologies)



**IPP60R600E6**  
Infineon Technologies  
N-CHANNEL POWER MOSFET



**IPP60R950C6**  
Cypress Semiconductor  
(Infineon Technologies)



**IPP65E6280**  
Cypress Semiconductor  
(Infineon Technologies)



**IPP65R074C6**  
Cypress Semiconductor  
(Infineon Technologies)  
IGBT Module



**IPP65F6190CFD**  
Cypress Semiconductor  
(Infineon Technologies)



**IPP60R600CP**  
Infineon Technologies  
N-CHANNEL POWER MOSFET



**IPP65R074C6XKSA1**  
Infineon Technologies  
MOSFET N-CH 650V 57.7A TO220-3



**IPP60R600P7**  
Infineon Technologies  
N-CHANNEL POWER MOSFET



**IPP60R520C6**  
Infineon Technologies  
N-CHANNEL POWER MOSFET



**IPP65R065C7**  
Infineon Technologies  
POWER FIELD-EFFECT TRANSISTOR,  
3



**IPP60R600P6**  
Infineon Technologies  
POWER FIELD-EFFECT TRANSISTOR,  
6



**IPP60R600C6 MOS**  
Cypress Semiconductor  
(Infineon Technologies)



**IPP60R750E6**  
Infineon Technologies  
N-CHANNEL POWER MOSFET



**IPP60R520CP**  
Infineon Technologies  
N-CHANNEL POWER MOSFET



**IPP60R600C6**  
Infineon Technologies  
7.3A, 600V, 0.6OHM, N-CHANNEL MO



**IPP60R520E6**  
Infineon Technologies  
N-CHANNEL POWER MOSFET



**IPP60R600CP 6R600P**  
Cypress Semiconductor  
(Infineon Technologies)

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Alleco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

### Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

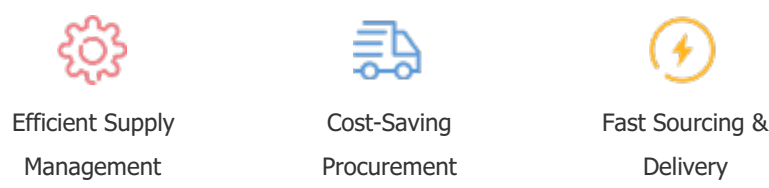
Contact us if you have any questions.

### Payment Support

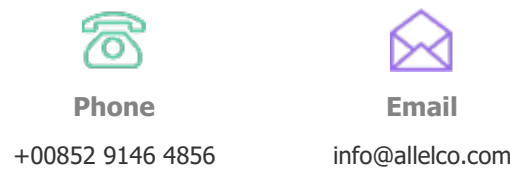
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,  
PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



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