



# IPI50R350CP

Manufacturer Part Number	<b>IPI50R350CP</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-IPI50R350CP
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 550V 10A TO262-3
Package	TO-262-3 Long Leads, I <sup>2</sup> Pak, TO-262AA
Data sheet	IPI50R350CP.pdf



**Get a Quote**

IPI50R350CP - Infineon Technologies. New Original in Stock. Download Linear Technology IPI50R350CP datasheet/specifications on AllelcoElec.com.  
Request a quote for IPI50R350CP, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

IPI50R350CP Tech Specifications

IPI50R350CP - 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	3.5V @ 370µA	Mounting Type	Through Hole
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	1020 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	25 nC @ 10 V
Supplier Device Package	PG-TO262-3	FET Type	N-Channel
Series	CoolMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	350mOhm @ 5.6A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	89W (Tc)	Drain to Source Voltage (Vdss)	550 V
Package / Case	TO-262-3 Long Leads, I <sup>2</sup> Pak, TO-262AA	Current - Continuous Drain (Id) @ 25°C	10A (Tc)
Package	Tube	Base Product Number	IPI50R

## Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPI50R350CP

Product Attribute	NO PICTURE			
Part Number	IPI50R350CP	IPI50R250CP	IPI60R280C6	IPI60R299CP
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Package	Tube	Bulk	Bulk	Bulk
Power Dissipation (Max)	89W (Tc)	114W (Tc)	104W (Tc)	96W (Tc)
Current - Continuous Drain (Id) @ 25°C	10A (Tc)	13A (Tc)	13.8A (Tc)	11A (Tc)
Base Product Number	IPI50R	-	-	-
Vgs(th) (Max) @ Id	3.5V @ 370µA	3.5V @ 520µA	3.5V @ 430µA	3.5V @ 440µA
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	-	10V
Gate Charge (Qg) (Max) @ Vgs	25 nC @ 10 V	36 nC @ 10 V	43 nC @ 10 V	29 nC @ 10 V
Rds On (Max) @ Id, Vgs	350mOhm @ 5.6A, 10V	250mOhm @ 7.8A, 10V	280mOhm @ 6.5A, 10V	299mOhm @ 6.6A, 10V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Input Capacitance (Ciss) (Max) @ Vds	1020 pF @ 100 V	1420 pF @ 100 V	950 pF @ 100 V	1100 pF @ 100 V
Drain to Source Voltage (Vdss)	550 V	500 V	600 V	600 V
Vgs (Max)	±20V	±20V	±20V	±20V
Series	CoolMOS™	CoolMOS™	CoolMOS™ C6	CoolMOS™
Package / Case	TO-262-3 Long Leads, I <sup>2</sup> Pak, TO-262AA	TO-262-3 Long Leads, I <sup>2</sup> Pak, TO-262AA	TO-262-3 Long Leads, I <sup>2</sup> Pak, TO-262AA	TO-262-3 Long Leads, I <sup>2</sup> Pak, TO-262AA
FET Feature	-	-	-	-
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Supplier Device Package	PG-TO262-3	PG-TO262-3-1	PG-TO262-3-1	PG-TO262-3-1

## IPI50R350CP Datasheet PDF

Download IPI50R350CP pdf datasheets and Infineon Technologies documentation for IPI50R350CP - Infineon Technologies.

### Other Related Documents



















Part Number Guide.pdf

### PCN Design/Specification

CoolMOS/OptiMOS Halogen Free 10/Dec/2008.pdf

## Customers Also Interested in

## Recommended Products

					
<b>IPI60R199CP</b> Infineon Technologies COOLMOS N-CHANNEL POWER MOSFET	<b>IPI50CN10NG MOS</b> Cypress Semiconductor (Infineon Technologies)	<b>IPI320N20N3G</b> Cypress Semiconductor (Infineon Technologies)	<b>IPI50R250CP</b> Infineon Technologies N-CHANNEL POWER MOSFET	<b>IPI60R280C6</b> Infineon Technologies MOSFET N-CH 600V 13.8A TO262-3	<b>IPI50CN10NG</b> Cypress Semiconductor (Infineon Technologies)
					
<b>IPI50R199CP</b> Cypress Semiconductor (Infineon Technologies)	<b>IPI60R125CP</b> Infineon Technologies 25A, 600V, 0.125OHM, N-CHANNEL M	<b>IPI60R190C6</b> Infineon Technologies COOLMOS N-CHANNEL POWER MOSFET	<b>IPI60R299CP</b> Infineon Technologies N-CHANNEL POWER MOSFET	<b>IPI60R190C6XKSA1</b> Infineon Technologies MOSFET N-CH 600V 20.2A TO262-3	<b>IPI45N06S4-09</b> Cypress Semiconductor (Infineon Technologies)
					
<b>IPI60R099CP</b> Infineon Technologies PFET, 31A I(D), 600V, 0.099OHM,	<b>IPI50R299CP</b> Infineon Technologies N-CHANNEL POWER MOSFET	<b>IPI50R099CP</b> Cypress Semiconductor (Infineon Technologies)	<b>IPI45N06S4-09 MOS</b> Cypress Semiconductor (Infineon Technologies)	<b>IPI26CN10NG</b> Cypress Semiconductor (Infineon Technologies)	<b>IPI60R165CP</b> Infineon Technologies COOLMOS N-CHANNEL POWER MOSFET

## 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 Allelco 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.

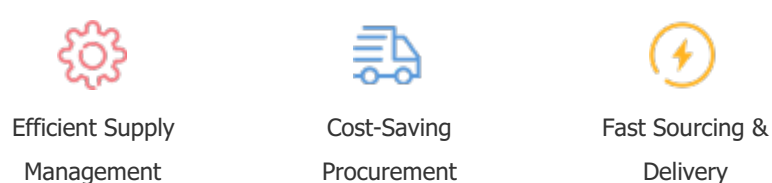
## Payment Support

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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