



# IPT60R150G7XTMA1

Manufacturer Part Number	<b>IPT60R150G7XTMA1</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-IPT60R150G7XTMA1
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 600V 17A 8HSOF
Package	8-PowerSFN
Data sheet	<a href="#">IPT60R150G7XTMA1.pdf</a>
RoHs Status	<b>ROHS3 Compliant</b>



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IPT60R150G7XTMA1 - Infineon Technologies.New Original in Stock. Download Linear Technology IPT60R150G7XTMA1 datasheet/specifications on AllelcoElec.com.  
Request a quote for IPT60R150G7XTMA1, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

IPT60R150G7XTMA1 Tech Specifications  
IPT60R150G7XTMA1 - 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 @ 260µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	902 pF @ 400 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	23 nC @ 10 V
Supplier Device Package	PG-HSOF-8-2	FET Type	N-Channel
Series	CoolMOS™ G7	FET Feature	-
Rds On (Max) @ Id, Vgs	150mOhm @ 5.3A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	106W (Tc)	Drain to Source Voltage (Vdss)	600 V
Package / Case	8-PowerSFN	Current - Continuous Drain (Id) @ 25°C	17A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IPT60R150

## Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPT60R150G7XTMA1

Product Attribute				
Part Number	IPT60R150G7XTMA1	<a href="#">IPT60R055CFD7XTMA1</a>	<a href="#">IPT60R045CFD7XTMA1</a>	<a href="#">IPT65R195G7XTMA1</a>
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Rds On (Max) @ Id, Vgs	150mOhm @ 5.3A, 10V	55mOhm @ 15.1A, 10V	45mOhm @ 18A, 10V	195mOhm @ 4.8A, 10V
Series	CoolMOS™ G7	CoolMOS™ CFD7	CoolMOS™ CFD7	CoolMOS™ C7
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Input Capacitance (Ciss) (Max) @ Vds	902 pF @ 400 V	2721 pF @ 400 V	3194 pF @ 400 V	996 pF @ 400 V
Supplier Device Package	PG-HSOF-8-2	PG-HSOF-8-1	PG-HSOF-8-1	PG-HSOF-8-2
Base Product Number	IPT60R150	IPT60R055	IPT60R045	IPT65R195
Drain to Source Voltage (Vdss)	600 V	600 V	600 V	650 V
Vgs(th) (Max) @ Id	4V @ 260µA	4.5V @ 760µA	4.5V @ 900µA	4V @ 240µA
Current - Continuous Drain (Id) @ 25°C	17A (Tc)	44A (Tc)	52A (Tc)	14A (Tc)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
FET Feature	-	-	-	-
Package / Case	8-PowerSFN	8-PowerSFN	8-PowerSFN	8-PowerSFN
Power Dissipation (Max)	106W (Tc)	236W (Tc)	270W (Tc)	97W (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Vgs (Max)	±20V	±20V	±20V	±20V
Gate Charge (Qg) (Max) @ Vgs	23 nC @ 10 V	67 nC @ 10 V	79 nC @ 10 V	20 nC @ 10 V

## IPT60R150G7XTMA1 Datasheet PDF

Download IPT60R150G7XTMA1 pdf datasheets and Infineon Technologies documentation for IPT60R150G7XTMA1 - Infineon Technologies.

### PCN Packaging



















<a href="#">Mult Dev Pkg Box Chg 3/Jan/2018.pdf</a>
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### PCN Design/Specification

<a href="#">CoolIMOS DS Chg 11/Dec/2020.pdf</a>
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## Customers Also Interested in

### Recommended Products

					
<b>IPT60R028G7</b> Cypress Semiconductor (Infineon Technologies)	<b>IPT65R195G7</b> Cypress Semiconductor (Infineon Technologies)	<b>IPT60R102G7 MOS</b> Cypress Semiconductor (Infineon Technologies)	<b>IPT60R055CFD7XTMA1</b> Infineon Technologies MOSFET N-CH 600V 44A 8HSOF	<b>IPT60R022S7</b> Cypress Semiconductor (Infineon Technologies)	<b>IPT60R050G7</b> Cypress Semiconductor (Infineon Technologies)
					
<b>IPT60R045CFD7XTMA1</b> Infineon Technologies MOSFET N-CH 600V 52A 8HSOF	<b>IPT65R195G7XTMA1</b> Infineon Technologies MOSFET N-CH 650V 14A 8HSOF	<b>IPT111N20NFD</b> Cypress Semiconductor (Infineon Technologies)	<b>IPT60R125G7XTMA1</b> Infineon Technologies MOSFET N-CH 600V 20A 8HSOF	<b>IPT60R080G7</b> Cypress Semiconductor (Infineon Technologies)	<b>IPT60R125G7</b> Cypress Semiconductor (Infineon Technologies)
					
<b>IPT60R028G7XTMA1</b> Infineon Technologies MOSFET N-CH 600V 75A 8HSOF	<b>IPT60R050G7XTMA1</b> Infineon Technologies MOSFET N-CH 600V 44A 8HSOF	<b>IPT65R033G7</b> Cypress Semiconductor (Infineon Technologies)	<b>IPT210N25NFD</b> Cypress Semiconductor (Infineon Technologies)	<b>IPT60R102G7</b> Cypress Semiconductor (Infineon Technologies)	<b>IPT60R035CFD7XTMA1</b> Infineon Technologies MOSFET N-CH 600V 67A 8HSOF

## 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 -

-  Efficient Supply Management
-  Cost-Saving Procurement
-  Fast Sourcing & Delivery

Contact us if you have any questions.

-  Phone  
+00852 9146 4856
-  Email  
info@allelco.com

### Certifications & Memberships



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