



IPL60R285P7AUMA1

Manufacturer Part Number	IPL60R285P7AUMA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IPL60R285P7AUMA1
ECAD Model	 Request Free CAD Models
Parts Description	MOSFET N-CH 600V 13A 4VSON
Package	4-PowerTSFN
Data sheet	IPL60R285P7AUMA1.pdf
RoHs Status	 ROHS3 Compliant


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IPL60R285P7AUMA1 - Infineon Technologies.New Original in Stock. Download Linear Technology IPL60R285P7AUMA1 datasheet/specifications on AllelcoElec.com.

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Specifications





IPL60R285P7AUMA1 Tech Specifications

IPL60R285P7AUMA1 - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Operating Temperature	-40°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	4V @ 190µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	761 pF @ 400 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	18 nC @ 10 V
Supplier Device Package	PG-VSON-4	FET Type	N-Channel
Series	CoolMOS™ P7	FET Feature	-
Rds On (Max) @ Id, Vgs	285mOhm @ 3.8A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	59W (Tc)	Drain to Source Voltage (Vdss)	600 V
Package / Case	4-PowerTSFN	Current - Continuous Drain (Id) @ 25°C	13A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IPL60R285

Parts with Similar Specifications


The three parts on the right have similar specifications to Infineon Technologies IPL60R285P7AUMA1

Product Attribute	 NO PICTURE			
Part Number	IPL60R285P7AUMA1	IPL60R365P7AUMA1	IPL60R185P7AUMA1	IPL60R385CP
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Current - Continuous Drain (Id) @ 25°C	13A (Tc)	10A (Tc)	19A (Tc)	9A (Tc)
FET Feature	-	-	-	-
Package / Case	4-PowerTSFN	4-PowerTSFN	4-PowerTSFN	4-PowerTSFN
Rds On (Max) @ Id, Vgs	285mOhm @ 3.8A, 10V	365mOhm @ 2.7A, 10V	185mOhm @ 5.6A, 10V	385mOhm @ 5.2A, 10V
Base Product Number	IPL60R285	IPL60R365	IPL60R	-
Gate Charge (Qg) (Max) @ Vgs	18 nC @ 10 V	13 nC @ 10 V	25 nC @ 10 V	17 nC @ 10 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Bulk
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	CoolMOS™ P7	CoolMOS™ P7	CoolMOS™ P7	CoolMOS™ CP
Input Capacitance (Ciss) (Max) @ Vds	761 pF @ 400 V	555 pF @ 400 V	1081 pF @ 400 V	790 pF @ 100 V
Supplier Device Package	PG-VSON-4	PG-VSON-4	PG-VSON-4	PG-VSON-4-1
Power Dissipation (Max)	59W (Tc)	46W (Tc)	81W (Tc)	83W (Tc)
Vgs(th) (Max) @ Id	4V @ 190µA	4V @ 140µA	4V @ 280µA	3.5V @ 340µA
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Vgs (Max)	±20V	±20V	±20V	±20V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Drain to Source Voltage (Vdss)	600 V	600 V	600 V	600 V


IPL60R285P7AUMA1 Datasheet PDF

Download IPL60R285P7AUMA1 pdf datasheets and Infineon Technologies documentation for IPL60R285P7AUMA1 - Infineon Technologies.

PCN Packaging



















 Mult Dev Pkg Box Chg 3/Jan/2018.pdf

PCN Assembly/Origin

 Mult Dev Wafer Site Add 10/Mar/2021.pdf

Customers Also Interested in

Recommended Products

					
IPL60R650P6S Cypress Semiconductor (Infineon Technologies)	IPL60R285P7 Cypress Semiconductor (Infineon Technologies)	IPL60R255P6 Cypress Semiconductor (Infineon Technologies)	IPL60R360P6S Cypress Semiconductor (Infineon Technologies)	IPL65R099C7 Cypress Semiconductor (Infineon Technologies)	IPL60R199CP ADI (Analog Devices, Inc.)
					
IPL60R185C7 E8211 Cypress Semiconductor (Infineon Technologies)	IPL60R365P7AUMA1 Infineon Technologies MOSFET N-CH 600V 10A 4VSON	IPL60R185P7AUMA1 Infineon Technologies MOSFET N-CH 600V 19A 4VSON	IPL60R299CP Cypress Semiconductor (Infineon Technologies)	IPL60R385CP Infineon Technologies COOLMOS N-CHANNEL POWER MOSFET	IPL60R2K1C6S Cypress Semiconductor (Infineon Technologies)
					
IPL65R130C7 Cypress Semiconductor (Infineon Technologies)	IPL60R210P6 Cypress Semiconductor (Infineon Technologies)	IPL60R185P7 Cypress Semiconductor (Infineon Technologies)	IPL60R185CFD7 Cypress Semiconductor (Infineon Technologies)	IPL65R070C7 Cypress Semiconductor (Infineon Technologies)	IPL60R365P7 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 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
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Contact us if you have any questions.

-  Phone
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