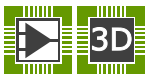




SPW20N60C3

Manufacturer Part Number	SPW20N60C3
Manufacturer	Infineon Technologies
Allelco Part Number	32D-SPW20N60C3
ECAD Model	 PCB Symbol, Footprint & 3D Model
Parts Description	SPW20N60 - 600V COOLMOS N-CHANNE
Package	TO-247-3
Data sheet	SPW20N60C3.pdf



Get a Quote

SPW20N60C3 - Infineon Technologies. New Original in Stock. Download Linear Technology SPW20N60C3 datasheet/specifications on AllelcoElec.com.
Request a quote for SPW20N60C3, please send us email: info@allelco.com





Specifications

SPW20N60C3 Tech Specifications
SPW20N60C3 - 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	3.9V @ 1mA	Mounting Type	Through Hole
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	2400 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	114 nC @ 10 V
Supplier Device Package	PG-TO247-3-21	FET Type	N-Channel
Series	CoolMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	190mOhm @ 13.1A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	208W (Tc)	Drain to Source Voltage (Vdss)	600 V
Package / Case	TO-247-3	Current - Continuous Drain (Id) @ 25°C	20.7A (Tc)
Package	Bulk		

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies SPW20N60C3

Product Attribute	 NO PICTURE			
Part Number	SPW20N60C3	SPW17N80C3A	SPW15N60CFD	SPW16N50C3
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Rds On (Max) @ Id, Vgs	190mOhm @ 13.1A, 10V	290mOhm @ 11A, 10V	330mOhm @ 9.4A, 10V	280mOhm @ 10A, 10V
Drain to Source Voltage (Vdss)	600 V	800 V	600 V	500 V
Vgs (Max)	±20V	±20V	±20V	±20V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Series	CoolMOS™	CoolMOS™	CoolMOS™	-
Input Capacitance (Ciss) (Max) @ Vds	2400 pF @ 25 V	2320 pF @ 25 V	1820 pF @ 25 V	1600 pF @ 25 V
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Power Dissipation (Max)	208W (Tc)	227W (Tc)	156W (Tc)	160W (Tc)
FET Feature	-	-	-	-
Current - Continuous Drain (Id) @ 25°C	20.7A (Tc)	17A (Tc)	13.4A (Tc)	16A (Tc)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	3.9V @ 1mA	3.9V @ 1mA	5V @ 750µA	3.9V @ 675µA
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Package	Bulk	Tube	Bulk	-
Supplier Device Package	PG-TO247-3-21	PG-TO247-3-1	PG-TO247-3-21	PG-TO247-3-21
Package / Case	TO-247-3	TO-247-3	TO-247-3	TO-247-3
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Gate Charge (Qg) (Max) @ Vgs	114 nC @ 10 V	177 nC @ 10 V	84 nC @ 10 V	66 nC @ 10 V

Customers Also Interested in

Recommended Products



SPW21N50C3
Cypress Semiconductor (Infineon Technologies)
IGBT Module



SPW15N60C3 15N60C3
Cypress Semiconductor (Infineon Technologies)



SPW20N60S5
INF



SPW2430HR5H-B
Knowles
MIC MEMS ANALOG OMNI -42DB



SPW13N50C3
Cypress Semiconductor (Infineon Technologies)



SPW2430HR5H
SKY



SPW20N60C3 MOSCypress Semiconductor
(Infineon Technologies)**SPW17N80C3 MOS**Cypress Semiconductor
(Infineon Technologies)**SPW20N60CFD**Cypress Semiconductor
(Infineon Technologies)
IGBT Module**SPW15N60CFD**Infineon Technologies
N-CHANNEL POWER MOSFET**SPW20N65C3**Cypress Semiconductor
(Infineon Technologies)**SPW1522WA**

SUNTAK

SPW17N80C3

INF

**SPW16N50C3**Infineon Technologies
SPW16N50 - 500V COOLMOS N-
CHANNE**SPW21N50C3 MOS**Cypress Semiconductor
(Infineon Technologies)**SPW20N60C2**Cypress Semiconductor
(Infineon Technologies)**SPW17N80C3A**Infineon Technologies
MOSFET N-CH 800V 17A TO247-3**SPW15N60C3**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



Cost-Saving
Procurement



Fast Sourcing &
Delivery

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@allelco.com

Certifications & Memberships

[View More](#)



WWW.ALLELCOELEC.COM

Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: info@Allelco.com

Copyright © 2012-2023 AllelcoElec.com. All rights reserved.