



# IKW30N60TFKSA1

Manufacturer Part Number	<b>IKW30N60TFKSA1</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-IKW30N60TFKSA1
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IGBT TRENCH/FS 600V 60A TO247-3
Package	TO-247-3
Data sheet	IKW30N60TFKSA1.pdf
RoHs Status	ROHS3 Compliant



**Get a Quote**

IKW30N60TFKSA1 - Infineon Technologies. New Original in Stock. Download Linear Technology IKW30N60TFKSA1 datasheet/specifications on AllelcoElec.com.

Request a quote for IKW30N60TFKSA1, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

IKW30N60TFKSA1 Tech Specifications

IKW30N60TFKSA1 - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Package / Case	TO-247-3
Voltage - Collector Emitter Breakdown (Max)	600 V	Package	Tube
Vce(on) (Max) @ Vge, Ic	2.05V @ 15V, 30A	Operating Temperature	-40°C ~ 175°C (TJ)
Test Condition	400V, 30A, 10.6Ohm, 15V	Mounting Type	Through Hole
Td (on/off) @ 25°C	23ns/254ns	Input Type	Standard
Switching Energy	1.46mJ	IGBT Type	Trench Field Stop
Supplier Device Package	PG-TO247-3-1	Gate Charge	167 nC
Series	TrenchStop®	Current - Collector Pulsed (Icm)	90 A
Reverse Recovery Time (trr)	143 ns	Current - Collector (Ic) (Max)	60 A
Power - Max	187 W	Base Product Number	IKW30N60

## Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IKW30N60TFKSA1

Product Attribute	NO PICTURE			
Part Number	IKW30N60TFKSA1	IKW30N65ES5XKSA1	IKW30N60H3FKSA1	IKW30N60T
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Vce(on) (Max) @ Vge, Ic	2.05V @ 15V, 30A	1.7V @ 15V, 30A	2.4V @ 15V, 30A	-
IGBT Type	Trench Field Stop	Trench	Trench Field Stop	-
Current - Collector Pulsed (Icm)	90 A	120 A	120 A	-
Switching Energy	1.46mJ	560µJ (on), 320µJ (off)	1.38mJ	-
Power - Max	187 W	188 W	187 W	-
Package	Tube	Tube	Tube	-
Mounting Type	Through Hole	Through Hole	Through Hole	-
Base Product Number	IKW30N60	IKW30N65	IKW30N60	-
Voltage - Collector Emitter Breakdown (Max)	600 V	650 V	600 V	-
Input Type	Standard	Standard	Standard	-
Reverse Recovery Time (trr)	143 ns	75 ns	38 ns	-
Test Condition	400V, 30A, 10.6Ohm, 15V	400V, 30A, 13Ohm, 15V	400V, 30A, 10.5Ohm, 15V	-
Series	TrenchStop®	TrenchStop™	TrenchStop®	-
Td (on/off) @ 25°C	23ns/254ns	17ns/124ns	21ns/207ns	-
Supplier Device Package	PG-TO247-3-1	PG-TO247-3	PG-TO247-3-1	-
Operating Temperature	-40°C ~ 175°C (TJ)	-40°C ~ 175°C (TJ)	-40°C ~ 175°C (TJ)	-
Gate Charge	167 nC	70 nC	165 nC	-
Current - Collector (Ic) (Max)	60 A	62 A	60 A	-
Package / Case	TO-247-3	TO-247-3	TO-247-3	-

## IKW30N60TFKSA1 Datasheet PDF

Download IKW30N60TFKSA1 pdf datasheets and Infineon Technologies documentation for IKW30N60TFKSA1 - Infineon Technologies.

### Other Related Documents

Part Number Guide.pdf

### PCN Design/Specification

Mult Dev Lot Chgs 25/May/2021.pdf

Datasheet Update 03/Jun/2014.pdf

### PCN Assembly/Origin



## Customers Also Interested in

### Recommended Products



**IKW30N65ES5XKSA1**  
Infineon Technologies  
IGBT TRENCH 650V 62A TO247-3



**IKW30N60TK30T60**  
Cypress Semiconductor  
(Infineon Technologies)



**IKW30N60H3/K30H603**  
Cypress Semiconductor  
(Infineon Technologies)



**IKW30N60H3**  
Cypress Semiconductor  
(Infineon Technologies)  
IGBT Module



**IKW30N65WR5**  
Cypress Semiconductor  
(Infineon Technologies)



**IKW30N65H5**  
INF



**IKW30N60DTP/K30DDTI**  
Cypress Semiconductor  
(Infineon Technologies)



**IKW30N60T/K30T60**  
Cypress Semiconductor  
(Infineon Technologies)



**IKW30N65WR5  
K30EWR5**  
Cypress Semiconductor  
(Infineon Technologies)



**IKW30N60H3 K30H603**  
Cypress Semiconductor  
(Infineon Technologies)



**IKW30N60H3FKSA1**  
Infineon Technologies  
IGBT 600V 60A 187W TO247-3



**IKW30N60TA**  
Cypress Semiconductor  
(Infineon Technologies)



**IKW30N60T**  
Infineon Technologies  
IKW30N60 - DISCRETE IGBT WITH  
AN



**IKW30N65NLS**  
Infineon Technologies  
IKW30N65 - DISCRETE IGBT WITH  
AN



**IKW30N60T K30T60**  
Cypress Semiconductor  
(Infineon Technologies)



**IKW30N65ET**  
Cypress Semiconductor  
(Infineon Technologies)



**IKW30N60DTP  
K30DDTP**  
Cypress Semiconductor  
(Infineon Technologies)



**IKW30N65EL5**  
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



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