



IKW50N65H5FKSA1

Manufacturer Part Number	IKW50N65H5FKSA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IKW50N65H5FKSA1
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IGBT 650V 80A 305W PG-T0247-3
Package	TO-247-3
Data sheet	IKW50N65H5FKSA1.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

IKW50N65H5FKSA1 - Infineon Technologies.New Original in Stock. Download Linear Technology IKW50N65H5FKSA1 datasheet/specifications on AllelcoElec.com.
Request a quote for IKW50N65H5FKSA1, please send us email: info@allelco.com

Specifications

IKW50N65H5FKSA1 Tech Specifications
IKW50N65H5FKSA1 - 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)	650 V	Package	Tube
Vce(on) (Max) @ Vge, Ic	2.1V @ 15V, 50A	Operating Temperature	-40°C ~ 175°C (TJ)
Test Condition	400V, 25A, 120hm, 15V	Mounting Type	Through Hole
Td (on/off) @ 25°C	21ns/180ns	Input Type	Standard
Switching Energy	520μJ (on), 180μJ (off)	IGBT Type	-
Supplier Device Package	PG-T0247-3	Gate Charge	120 nC
Series	TrenchStop®	Current - Collector Pulsed (Icm)	150 A
Reverse Recovery Time (trr)	57 ns	Current - Collector (Ic) (Max)	80 A
Power - Max	305 W	Base Product Number	IKW50N65

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IKW50N65H5FKSA1

Product Attribute	NO PICTURE			
Part Number	IKW50N65H5FKSA1	IKW75N60H3	IKW75N60T	IKW50N65EH5
Manufacturer	Infineon Technologies	Infineon Technologies	Cypress Semiconductor (Infineon Technologies)	Cypress Semiconductor (Infineon Technologies)
IGBT Type	-	Trench Field Stop	-	-
Vce(on) (Max) @ Vge, Ic	2.1V @ 15V, 50A	2.3V @ 15V, 75A	-	-
Power - Max	305 W	428 W	-	-
Reverse Recovery Time (trr)	57 ns	190 ns	-	-
Package / Case	TO-247-3	TO-247-3	-	-
Current - Collector Pulsed (Icm)	150 A	225 A	-	-
Operating Temperature	-40°C ~ 175°C (TJ)	-40°C ~ 175°C (TJ)	-	-
Mounting Type	Through Hole	Through Hole	-	-
Switching Energy	520μJ (on), 180μJ (off)	3mJ (on), 1.7mJ (off)	-	-
Td (on/off) @ 25°C	21ns/180ns	31ns/265ns	-	-
Current - Collector (Ic) (Max)	80 A	80 A	-	-
Package	Tube	Bulk	-	-
Input Type	Standard	Standard	-	-
Supplier Device Package	PG-T0247-3	PG-T0247-3-41	-	-
Voltage - Collector Emitter Breakdown (Max)	650 V	600 V	-	-
Series	TrenchStop®	TRENCHSTOP™	-	-
Base Product Number	IKW50N65	-	-	-
Test Condition	400V, 25A, 120hm, 15V	400V, 75A, 5.20hm, 15V	-	-
Gate Charge	120 nC	470 nC	-	-

IKW50N65H5FKSA1 Datasheet PDF

Download IKW50N65H5FKSA1 pdf datasheets and Infineon Technologies documentation for IKW50N65H5FKSA1 - Infineon Technologies.

Other Related Documents

Part Number Guide.pdf

PCN Design/Specification

Mult Dev Lot Chgs 25/May/2021.pdf

PCN Assembly/Origin



Customers Also Interested in

Recommended Products

**IKW75N60T**Cypress Semiconductor
(Infineon Technologies)
IGBT Module**IKW50N65EH5**Cypress Semiconductor
(Infineon Technologies)**IKW60N60H3**Cypress Semiconductor
(Infineon Technologies)**IKW50N65WR5**Cypress Semiconductor
(Infineon Technologies)**IKW50N65F5**Infineon Technologies
IGBT 650V 80A 305W PG-TO247-3**IKW50T60T**Cypress Semiconductor
(Infineon Technologies)**IKW50N65H5A**Cypress Semiconductor
(Infineon Technologies)**IKW50N65WR5
K50EWR5**Cypress Semiconductor
(Infineon Technologies)**IKW50N65ES5**Cypress Semiconductor
(Infineon Technologies)**IKW50N65EH5 K50EEH5**Cypress Semiconductor
(Infineon Technologies)**IKW50N65H5**Cypress Semiconductor
(Infineon Technologies)**IKW50T60**Cypress Semiconductor
(Infineon Technologies)**IKW50N65H5 K50EH5**Cypress Semiconductor
(Infineon Technologies)**IKW50N65ES5/K50EES5**Cypress Semiconductor
(Infineon Technologies)**IKW75N120H3**Cypress Semiconductor
(Infineon Technologies)**IKW50N65F5 K50EF5**Cypress Semiconductor
(Infineon Technologies)**IKW75N60H3**Infineon Technologies
IKW75N60 - DISCRETE IGBT WITH
AN**IKW50N65ES5 K50EES5**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 Alleco 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@alleco.com

Certifications & Memberships



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