



IKQ120N60TXKSA1

Manufacturer Part Number	IKQ120N60TXKSA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IKQ120N60TXKSA1
ECAD Model	 Request Free CAD Models
Parts Description	IGBT 600V 160A TO247-3-46
Package	TO-247-3
Data sheet	IKQ120N60TXKSA1.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

IKQ120N60TXKSA1 - Infineon Technologies.New Original in Stock. Download Linear Technology IKQ120N60TXKSA1 datasheet/specifications on AllelcoElec.com.
Request a quote for IKQ120N60TXKSA1, please send us email: info@allelco.com





Specifications

IKQ120N60TXKSA1 Tech Specifications
IKQ120N60TXKSA1 - 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	2V @ 15V, 120A	Operating Temperature	-40°C ~ 175°C (TJ)
Test Condition	400V, 120A, 30hm, 15V	Mounting Type	Through Hole
Td (on/off) @ 25°C	50ns/565ns	Input Type	Standard
Switching Energy	6.2mJ (on), 5.9mJ (off)	IGBT Type	Trench Field Stop
Supplier Device Package	PG-TO247-3-46	Gate Charge	703 nC
Series	TrenchStop™	Current - Collector Pulsed (Icm)	480 A
Reverse Recovery Time (trr)	241 ns	Current - Collector (Ic) (Max)	160 A
Power - Max	833 W	Base Product Number	IKQ120

Parts with Similar Specifications


The three parts on the right have similar specifications to Infineon Technologies IKQ120N60TXKSA1

Product Attribute	 NO PICTURE			
Part Number	IKQ120N60TXKSA1	IKQ40N120CT2XKSA1	STGWT20H65FB	FGH40T120SMD-F155
Manufacturer	Infineon Technologies	Infineon Technologies	STMicroelectronics	onsemi
Current - Collector (Ic) (Max)	160 A	80 A	40 A	80 A
Td (on/off) @ 25°C	50ns/565ns	32ns/328ns	30ns/139ns	40ns/475ns
Base Product Number	IKQ120	IKQ40N120	STGWT20	FGH40
Reverse Recovery Time (trr)	241 ns	-	-	65 ns
Operating Temperature	-40°C ~ 175°C (TJ)	-40°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
IGBT Type	Trench Field Stop	Trench Field Stop	Trench Field Stop	Trench Field Stop
Supplier Device Package	PG-TO247-3-46	PG-TO247-3-46	TO-3P	TO-247-3
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Test Condition	400V, 120A, 30hm, 15V	600V, 40A, 120hm, 15V	400V, 20A, 100hm, 15V	600V, 40A, 100hm, 15V
Package / Case	TO-247-3	TO-247-3	TO-3P-3, SC-65-3	TO-247-3
Input Type	Standard	Standard	Standard	Standard
Switching Energy	6.2mJ (on), 5.9mJ (off)	3.1mJ (on), 2.9mJ (off)	77μJ (on), 170μJ (off)	2.7mJ (on), 1.1mJ (off)
Vce(on) (Max) @ Vge, Ic	2V @ 15V, 120A	2.15V @ 15V, 40A	2V @ 15V, 20A	2.4V @ 15V, 40A
Gate Charge	703 nC	190 nC	120 nC	370 nC
Voltage - Collector Emitter Breakdown (Max)	600 V	1200 V	650 V	1200 V
Package	Tube	Tube	Tube	Tube
Power - Max	833 W	500 W	168 W	555 W
Current - Collector Pulsed (Icm)	480 A	160 A	80 A	160 A
Series	TrenchStop™	-	-	-

IKQ120N60TXKSA1 Datasheet PDF

Download IKQ120N60TXKSA1 pdf datasheets and Infineon Technologies documentation for IKQ120N60TXKSA1 - 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




IKQ40N120CT2XKSA1
Infineon Technologies
IGBT TRENCH/FS 1200V 80A TO247-3




IKQ120N60TA
Cypress Semiconductor (Infineon Technologies)




STGWT20H65FB
STMicroelectronics
IGBT 650V 40A 168W TO3P




FGH40T120SMD-F155
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IGBT 1200V 80A 555W TO247-3




GPA020A135MN-FD
SemiQ
IGBT 1350V 40A 223W TO3PN




IKQ100N60T
Cypress Semiconductor (Infineon Technologies)




IRGP4063D-EPBF
International Rectifier
IGBT W/ULTRAFAST SOFT RECOVERY D




FGA15S125P
Fairchild Semiconductor
INSULATED GATE BIPOLAR TRANSISTO




STGB20M65DF2
STMicroelectronics
IGBT TRENCH 650V 40A D2PAK




STGB30H60DF
STMicroelectronics
IGBT 600V 60A 260W D2PAK




STGF7NC60HD
STMicroelectronics
IGBT 600V 10A 25W TO220FP




IKQ75N120CS6
Cypress Semiconductor (Infineon Technologies)




IXXH60N65B4H1
IXYS
IGBT 650V 116A 380W TO247AD




IKQ120N60T K120T60
Cypress Semiconductor (Infineon Technologies)




ISL9V3040S3ST
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IGBT 430V 21A TO263AB



IKQ120N60T
Cypress Semiconductor (Infineon Technologies)



IKW75N65RH5XKSA1
Infineon Technologies
INDUSTRY 14



IKQ75N120CT2XKSA1
Infineon Technologies
IGBT 1200V 150A TO247-3

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			DHL & FedEx Shipment Charges Reference	
Region	Country	Logistic Time(Day)	Shipment charges(KG)	Reference DHL(USD\$)
America	United States	5	0.00kg-1.00kg	USD\$60.00
	Brazil	7	1.00kg-2.00kg	USD\$70.00
Europe	Germany	5	2.00kg-3.00kg	USD\$80.00
	United Kingdom	4		
	Italy	5		
Oceania	Australia	6		
	New Zealand	7		
Asia	India	6		
	Japan	7		
Middle East	Israel	6		


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



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Certifications & Memberships



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