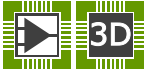




# IKW15T120

Manufacturer Part Number	<b>IKW15T120</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-IKW15T120
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	IKW15T120 - DISCRETE IGBT WITH A
Package	-
Data sheet	IKW15T120.pdf



**Get a Quote**

IKW15T120 - Infineon Technologies. New Original in Stock. Download Linear Technology IKW15T120 datasheet/specifications on AllelcoElec.com.  
Request a quote for IKW15T120, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications





IKW15T120 Tech Specifications

IKW15T120 - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Package / Case	-
Voltage - Collector Emitter Breakdown (Max)	-	Operating Temperature	-
Vce(on) (Max) @ Vge, Ic	-	Mounting Type	-
Test Condition	-	Input Type	-
Td (on/off) @ 25°C	-	IGBT Type	-
Switching Energy	-	Gate Charge	-
Supplier Device Package	-	Current - Collector Pulsed (Icm)	-
Reverse Recovery Time (trr)	-	Current - Collector (Ic) (Max)	-
Power - Max	-		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IKW15T120

Product Attribute	 NO PICTURE			
Part Number	IKW15T120	IKW03N120H2	IKW08T120FKSA1	IKW08N120CS7XKSA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
IGBT Type	-	-	NPT, Trench Field Stop	Trench Field Stop
Input Type	-	Standard	Standard	Standard
Reverse Recovery Time (trr)	-	42 ns	80 ns	130 ns
Package / Case	-	TO-247-3	TO-247-3	TO-247-3
Operating Temperature	-	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 175°C (TJ)
Td (on/off) @ 25°C	-	9.2ns/281ns	40ns/450ns	17ns/160ns
Current - Collector Pulsed (Icm)	-	9.9 A	24 A	24 A
Voltage - Collector Emitter Breakdown (Max)	-	1200 V	1200 V	1200 V
Supplier Device Package	-	PG-TO247-3-1	PG-TO247-3-1	PG-TO247-3
Power - Max	-	62.5 W	70 W	106 W
Current - Collector (Ic) (Max)	-	9.6 A	16 A	21 A
Mounting Type	-	Through Hole	Through Hole	Through Hole
Test Condition	-	800V, 3A, 820hm, 15V	600V, 8A, 810hm, 15V	600V, 8A, 200hm, 15V
Switching Energy	-	290µJ	1.37mJ	370µJ (on), 400µJ (off)
Gate Charge	-	22 nC	53 nC	52 nC
Vce(on) (Max) @ Vge, Ic	-	2.8V @ 15V, 3A	2.2V @ 15V, 8A	2V @ 15V, 8A

## Customers Also Interested in

### Recommended Products



**IKW20N60T K20T60**

Cypress Semiconductor (Infineon Technologies)



**IKW15N120T2**

Cypress Semiconductor (Infineon Technologies)  
IGBT Module



**IKW20N60**

Cypress Semiconductor (Infineon Technologies)



**IKW08T120**

Cypress Semiconductor (Infineon Technologies)  
IGBT Module



**IKW03N120H2**

Infineon Technologies  
IGBT WITH ANTI-PARALLEL DIODE



**IKW15N20T2**

Cypress Semiconductor (Infineon Technologies)



**IKW25N120H3**

Cypress Semiconductor (Infineon Technologies)  
IGBT Module



**IKW25N120T**

Cypress Semiconductor (Infineon Technologies)



**IKW20N60T/K20T60**

Cypress Semiconductor (Infineon Technologies)



**IKW20N60HS**

Cypress Semiconductor (Infineon Technologies)



**IKW15N120BH6**

Cypress Semiconductor (Infineon Technologies)



**IKW08T120FKSA1**

Infineon Technologies  
IGBT 1200V 16A TO247-3

**IKW15N120H3**Infineon Technologies  
IKW15N120 - DISCRETE IGBT WITH  
A**IKW08N120CS7XKSA1**Infineon Technologies  
INDUSTRY 14 PG-TO247-3**IKW20N60T**Cypress Semiconductor  
(Infineon Technologies)  
IGBT Module**IKW15N120H3 K151203**Cypress Semiconductor  
(Infineon Technologies)**IKW20N60H3**Infineon Technologies  
IKW20N60 - DISCRETE IGBT WITH  
AN**IKW15N120**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.



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