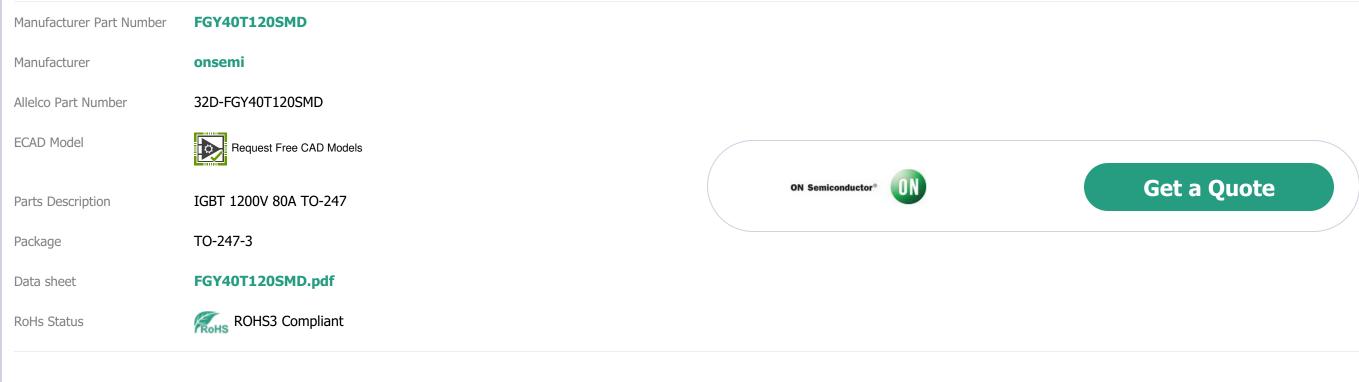


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FGY40T120SMD



FGY40T120SMD - onsemi.New Original in Stock. Download Linear Technology FGY40T120SMD datasheet/specifications on AllelcoElec.com.

Request a quote for FGY40T120SMD, please send us email: info@allelco.com

Specifications

FGY40T120SMD Tech Specifications

FGY40T120SMD - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Package / Case	TO-247-3
Voltage - Collector Emitter Breakdown (Max)	1200 V	Package	Tube
Vce(on) (Max) @ Vge, Ic	2.4V @ 15V, 40A	Operating Temperature	-55°C ~ 175°C (TJ)
Test Condition	600V, 40A, 10Ohm, 15V	Mounting Type	Through Hole
Td (on/off) @ 25°C	40ns/475ns	Input Type	Standard
Switching Energy	2.7mJ (on), 1.1mJ (off)	IGBT Type	Trench Field Stop
Supplier Device Package	TO-247	Gate Charge	370 nC
Series	-	Current - Collector Pulsed (Icm)	160 A

Reverse Recovery Time (trr)	65 ns	Current - Collector (Ic) (Max)	80 A
Power - Max	882 W	Base Product Number	FGY40T120

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FGY40T120SMD

Product Attribute	NO PICTURE		ON Semiconductor [®]	ON Semiconductor*
Part Number	FGY40T120SMD	IXGH56N60A3	FGY160T65SPD-F085	FGY75N60SMD
Manufacturer	onsemi	IXYS	onsemi	onsemi
Test Condition	600V, 40A, 10Ohm, 15V	480V, 44A, 50hm, 15V	400V, 160A, 15V	400V, 75A, 30hm, 15V
Input Type	Standard	Standard	Standard	Standard
Supplier Device Package	TO-247	TO-247AD	TO-247-3	PowerTO-247-3
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Package	Tube	Tube	Tube	Tube
Series	-	GenX3™	Automotive, AEC-Q101	-
Switching Energy	2.7mJ (on), 1.1mJ (off)	1mJ (on), 3.75mJ (off)	12.4mJ (on), 5.7mJ (off)	2.3mJ (on), 770µJ (off)
Current - Collector Pulsed (Icm)	160 A	370 A	480 A	225 A
Current - Collector (Ic) (Max)	80 A	150 A	240 A	150 A
Vce(on) (Max) @ Vge, Ic	2.4V @ 15V, 40A	1.35V @ 15V, 44A	2.05V @ 15V, 160A	2.5V @ 15V, 75A
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Package / Case	TO-247-3	TO-247-3	TO-247-3	TO-247-3 Variant
Voltage - Collector Emitter Breakdown (Max)	1200 V	600 V	650 V	600 V
Reverse Recovery Time (trr)	65 ns	-	132 ns	55 ns
Gate Charge	370 nC	140 nC	-	248 nC
Td (on/off) @ 25°C	40ns/475ns	26ns/310ns	53ns/98ns	24ns/136ns
Power - Max	882 W	330 W	882 W	750 W
IGBT Туре	Trench Field Stop	РТ	Trench Field Stop	Field Stop
Base Product Number	FGY40T120	IXGH56	FGY160	FGY75N60

FGY40T120SMD Datasheet PDF

Download FGY40T120SMD pdf datasheets and onsemi documentation for FGY40T120SMD - onsemi.

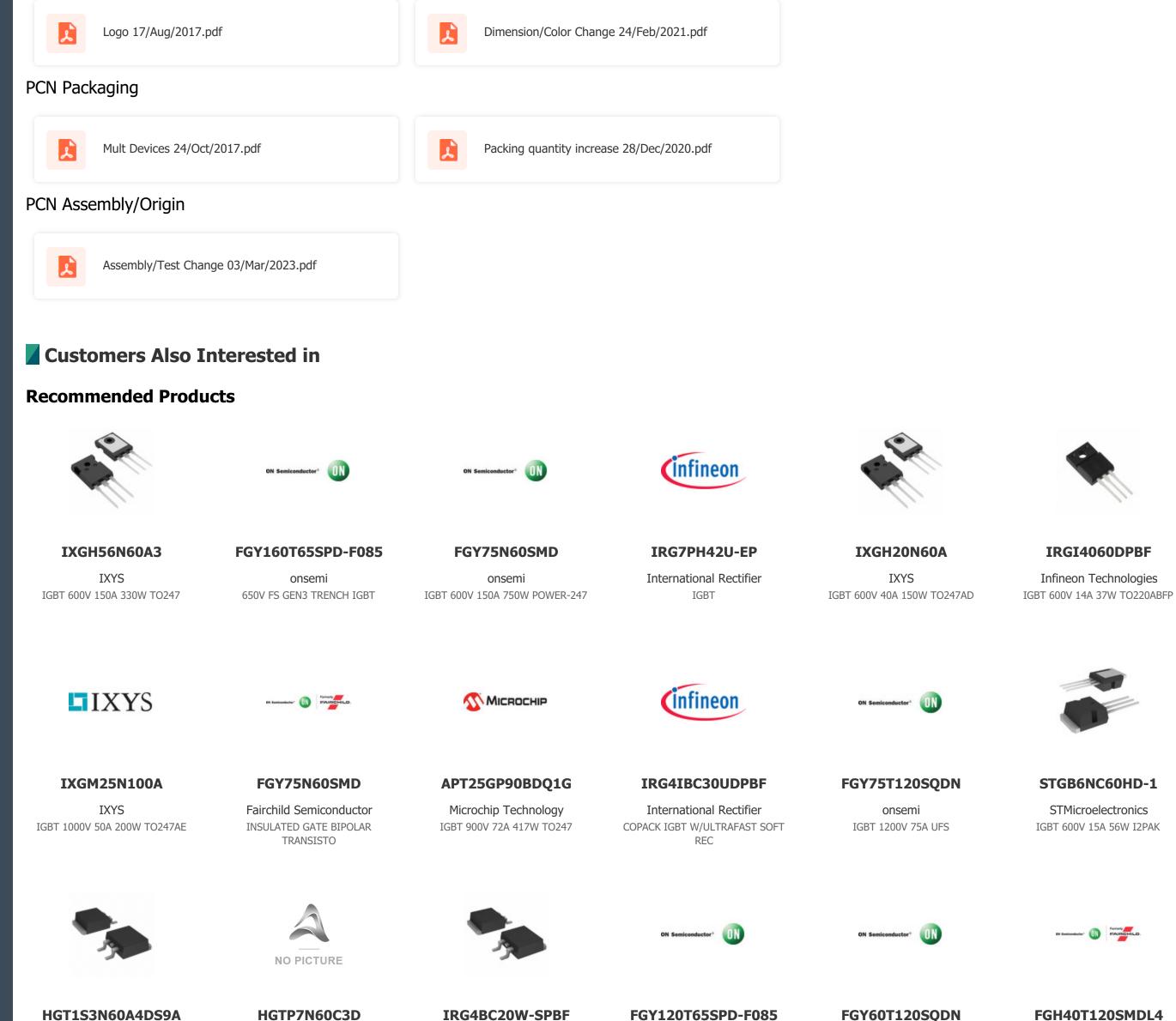
Datasheets



Environmental Information



PCN Design/Specification



IRG4BC20W-SPBF

FGY120T65SPD-F085

FGY60T120SQDN

FGH40T120SMDL4

onsemi IGBT 600V 17A 70W D2PAK

Harris Corporation IGBT, 14A, 600V, N-CHANNEL, TO-2

Infineon Technologies IGBT 600V 13A 60W D2PAK

onsemi IGBT 650V 240A 882W TO-247

onsemi IGBT 1200V 60A UFS Fairchild Semiconductor INSULATED GATE BIPOLAR TRANSISTO

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

Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00

DHL & FedEx Shipment Charges Reference

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.

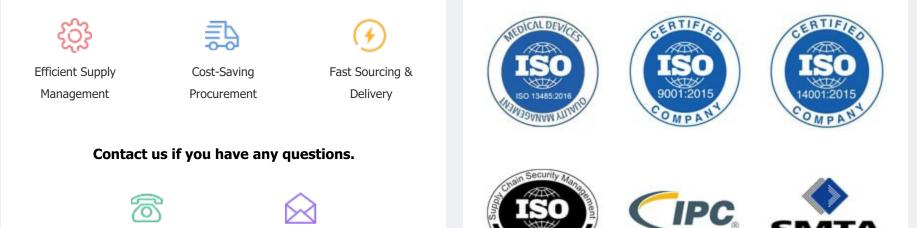
Payment Support

The payment method can be chosen from the methods shown below: Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,

PayPal.

VISA MasterCarc EASTWEST BANK PayPal

Your Faithful Supply Chain Partner -



Phone +00852 9146 4856

Email info@allelco.com 28000:2007





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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