

FGB3040G2_F085 Information



For Reference Only

Part Number FGB3040G2_F085

Manufacturer Fairchild/ON Semiconductor

Category Discrete Semiconductor Products
Transistors - IGBTs - Single

Description IGBT 400V 41A TO263

Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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FGB3040G2_F085 Specifications

Manufacturer Part Number FGB3040G2_F085 Manufacturer Fairchild/ON Semiconductor Category Discrete Semiconductor Products Transistors - IGBTs - Single Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series Automotive, AEC-Q101, EcoSPARK? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 400V Current - Collector Pulsed (Icm) 1.25V @ 4V, 6A Current - Max 150W Switching Energy - Input Type Logic Gate Charge 21nC Td (on/off) @ 25°C 900ns/4.8µs Test Condition - Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 175°C (TI) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK (TO-263)		
CategoryDiscrete Semiconductor ProductsTransistors - IGBTs - SinglePackageTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSeriesAutomotive, AEC-Q101, EcoSPARK?IGBT Type-Voltage - Collector Emitter Breakdown (Max)400VCurrent - Collector (Ic) (Max)41ACurrent - Collector Pulsed (Icm)-Vce(on) (Max) @ Vge, Ic1.25V @ 4V, 6APower - Max150WSwitching Energy-Input TypeLogicGate Charge21nCTd (on/off) @ 25°C900ns/4.8µsTest Condition-Reverse Recovery Time (trr)-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK (TO-263)	Manufacturer Part Number	FGB3040G2_F085
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Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series Automotive, AEC-Q101, EcoSPARK? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 400V Current - Collector (Ic) (Max) 41A Current - Collector Pulsed (Icm) - Vce(on) (Max) @ Vge, Ic 1.25V @ 4V, 6A Power - Max 150W Switching Energy - Input Type Logic Gate Charge 21nC Td (on/off) @ 25°C 900ns/4.8µs Test Condition - Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D200 - D2PAK (TO-263)	Category	Discrete Semiconductor Products
SeriesAutomotive, AEC-Q101, EcoSPARK?IGBT Type-Voltage - Collector Emitter Breakdown (Max)400VCurrent - Collector (Ic) (Max)41ACurrent - Collector Pulsed (Icm)-Vce(on) (Max) @ Vge, Ic1.25V @ 4V, 6APower - Max150WSwitching Energy-Input TypeLogicGate Charge21nCTd (on/off) @ 25°C900ns/4.8µsTest Condition-Reverse Recovery Time (trr)-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK (TO-263)		Transistors - IGBTs - Single
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Voltage - Collector Emitter Breakdown (Max) Current - Collector (Ic) (Max) Current - Collector Pulsed (Icm) - Vce(on) (Max) @ Vge, Ic 1.25V @ 4V, 6A Power - Max 150W Switching Energy - Input Type Logic Gate Charge 71 (on/off) @ 25°C 72 (900ns/4.8µs Test Condition Reverse Recovery Time (trr) Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package	Series	Automotive, AEC-Q101, EcoSPARK?
Current - Collector (Ic) (Max) Current - Collector Pulsed (Icm) - Vce(on) (Max) @ Vge, Ic 1.25V @ 4V, 6A Power - Max 150W Switching Energy - Input Type Logic Gate Charge 7d (on/off) @ 25°C 7d (on/off) @ 25°C 8everse Recovery Time (trr) Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package	IGBT Type	-
Current - Collector Pulsed (Icm) Vee(on) (Max) @ Vge, Ic 1.25V @ 4V, 6A Power - Max 150W Switching Energy - Input Type Logic Gate Charge 21nC Td (on/off) @ 25°C 900ns/4.8µs Test Condition Reverse Recovery Time (trr) Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case Supplier Device Package D2PAK (TO-263)	Voltage - Collector Emitter Breakdown (Max)	400V
Vce(on) (Max) @ Vge, Ic Power - Max 150W Switching Energy Input Type Logic Gate Charge 21nC Td (on/off) @ 25°C 900ns/4.8µs Test Condition Reverse Recovery Time (trr) Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package	Current - Collector (Ic) (Max)	41A
Power - Max150WSwitching Energy-Input TypeLogicGate Charge21nCTd (on/off) @ 25°C900ns/4.8μsTest Condition-Reverse Recovery Time (trr)-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK (TO-263)	Current - Collector Pulsed (Icm)	-
Switching Energy - Logic Input Type Logic Gate Charge 21nC Td (on/off) @ 25°C 900ns/4.8µs Test Condition - Reverse Recovery Time (trr) - 55°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK (TO-263)	Vce(on) (Max) @ Vge, Ic	1.25V @ 4V, 6A
Input Type Logic Gate Charge 21nC Td (on/off) @ 25°C 900ns/4.8µs Test Condition - Reverse Recovery Time (trr) Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK (TO-263)	Power - Max	150W
Gate Charge21nCTd (on/off) @ 25°C900ns/4.8μsTest Condition-Reverse Recovery Time (trr)-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK (TO-263)	Switching Energy	-
Td (on/off) @ 25°C 900ns/4.8μs Test Condition - Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK (TO-263)	Input Type	Logic
Test Condition - Reverse Recovery Time (trr) - Coperating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK (TO-263)	Gate Charge	21nC
Reverse Recovery Time (trr) Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK (TO-263)	Td (on/off) @ 25°C	900ns/4.8µs
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK (TO-263)	Test Condition	-
Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK (TO-263)	Reverse Recovery Time (trr)	-
Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK (TO-263)	Operating Temperature	-55°C ~ 175°C (TJ)
Supplier Device Package D2PAK (TO-263)	Mounting Type	Surface Mount
	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Report errors?	Supplier Device Package	D2PAK (TO-263)
		Report errors?

FGB3040G2_F085 Guarantees



Quality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

FGB3040G2_F085 Payment Methods



















FGB3040G2_F085 Shipping Methods













If you have any question about FGB3040G2_F085, please do not hesitate to contact us!

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