



NGD8209NT4G Information



For Reference Only

Part Number NGD8209NT4G Manufacturer Littelfuse Inc.

Category Discrete Semiconductor Products

Transistors - IGBTs - Single

Description IGBT 410V 12A 125W DPAK-3

Package TO-252-3, DPak (2 Leads + Tab), SC-63

For the pricing/inventory/lead time, please contact

us

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



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NGD8209NT4G Specifications

Manufacturer Part Number NGD8209NT4G Manufacturer Littelfuse Inc. Category Discrete Semiconductor Products Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series - IGBT Type - Voltage - Collector Emitter Breakdown (Max) 445V Current - Collector (Ic) (Max) 12A Current - Collector Pulsed (Icm) 30A Vec(on) (Max) @ Vge, Ic 2.3V @ 4.5V, 10A Power - Max 94W Switching Energy - Input Type Logic Gate Charge - Td (on/off) @ 25°C - Test Condition - Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 175°C (TI) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package DPAK		
CategoryDiscrete Semiconductor ProductsTransistors - IGBTs - SinglePackageTO-252-3, DPak (2 Leads + Tab), SC-63Series-IGBT Type-Voltage - Collector Emitter Breakdown (Max)445 VCurrent - Collector (Ic) (Max)12ACurrent - Collector Pulsed (Icm)30AVec(on) (Max) @ Vge, Ic2.3V @ 4.5V, 10APower - Max94WSwitching Energy-Input TypeLogicGate Charge-Td (on/off) @ 25°C-Test Condition-Reverse Recovery Time (trr)-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageDPAK	Manufacturer Part Number	NGD8209NT4G
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Series - IGBT Type - Voltage - Collector Emitter Breakdown (Max) 445V Current - Collector (Ic) (Max) 12A Current - Collector Pulsed (Icm) 30A Vce(on) (Max) @ Vge, Ic 2.3V @ 4.5V, 10A Power - Max 94W Switching Energy - Input Type Logic Gate Charge - Td (on/off) @ 25°C - Test Condition - Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package DPAK		Transistors - IGBTs - Single
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Voltage - Collector Emitter Breakdown (Max) Current - Collector (Ic) (Max) Current - Collector Pulsed (Icm) Ve(on) (Max) @ Vge, Ic Power - Max Switching Energy Input Type Cate Charge Gate Charge Td (on/off) @ 25°C Test Condition Reverse Recovery Time (trr) Operating Temperature Mounting Type Surface Mount Package / Case Supplier Device Package 12A 445V 445V 445V 12A 445V 12A 445V 12A 445V 12A 445V 12A 445V 12A 45V 12A 45V 12A 45V 12A 45V 12A 45V 12A 45V 12A 12A 12A 12A 12A 12A 12A 12	Series	-
Current - Collector (Ic) (Max) Current - Collector Pulsed (Icm) Ve(on) (Max) @ Vge, Ic Power - Max 94W Switching Energy Input Type Logic Gate Charge Td (on/off) @ 25°C Test Condition Reverse Recovery Time (trr) Operating Temperature Package / Case Supplier Device Package 12A 2.3V @ 4.5V, 10A 94W Logic - Casa - Casa - Casa - Casa Supplier Device Package 12A 10A 10A 10A 10A 10A 10A 10A	IGBT Type	-
Current - Collector Pulsed (Icm) Vce(on) (Max) @ Vge, Ic Power - Max 94W Switching Energy - Input Type Logic Gate Charge - Td (on/off) @ 25°C Test Condition Reverse Recovery Time (trr) Operating Temperature Mounting Type Surface Mount Package / Case Supplier Device Package 2.3V @ 4.5V, 10A 2.3V @ 4.5V, 10A 2.4V 4.5V, 10A 4.5V,	Voltage - Collector Emitter Breakdown (Max)	445V
Vce(on) (Max) @ Vge, Ic2.3V @ 4.5V, 10APower - Max94WSwitching Energy-Input TypeLogicGate Charge-Td (on/off) @ 25°C-Test Condition-Reverse Recovery Time (trr)-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageDPAK	Current - Collector (Ic) (Max)	12A
Power - Max Switching Energy - Input Type Logic Gate Charge - Td (on/off) @ 25°C - Test Condition - Reverse Recovery Time (trr) Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case Supplier Device Package DPAK	Current - Collector Pulsed (Icm)	30A
Switching Energy - Logic Gate Charge - Condition - Condition - Condition - Coperating Temperature - Sor Condition Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package DEAK	Vce(on) (Max) @ Vge, Ic	2.3V @ 4.5V, 10A
Input Type Gate Charge - Td (on/off) @ 25°C Test Condition Reverse Recovery Time (trr) Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package	Power - Max	94W
Gate Charge - Case - Condition - Case Recovery Time (trr) - Coperating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package DPAK	Switching Energy	-
Td (on/off) @ 25°C - Condition - Career Recovery Time (trr) - Career Recov	Input Type	Logic
Test Condition - CReverse Recovery Time (trr) - COperating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package DPAK	Gate Charge	-
Reverse Recovery Time (trr) Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package DPAK	Td (on/off) @ 25°C	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package DPAK	Test Condition	-
Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package DPAK	Reverse Recovery Time (trr)	-
Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package DPAK	Operating Temperature	-55°C ~ 175°C (TJ)
Supplier Device Package DPAK	Mounting Type	Surface Mount
	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
Report errors?	Supplier Device Package	DPAK
		Report errors?

NGD8209NT4G 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.

NGD8209NT4G Payment Methods



















NGD8209NT4G Shipping Methods













If you have any question about NGD8209NT4G, please do not hesitate to contact us!

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