

NGD15N41ACLT4G

NGD15N41ACLT4G Information



For Reference Only

Part Number NGD15N41ACLT4G

Manufacturer Littelfuse Inc.

Category Discrete Semiconductor Products

Transistors - IGBTs - Single

Description IGBT 440V 15A 107W DPAK3

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

For the pricing/inventory/lead time, please contact $% \left(\frac{1}{2}\right) =\left(\frac{1}{2}\right) \left(\frac{1}{2}\right)$

us

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



Request a Quote

Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









NGD15N41ACLT4G Specifications

Manufacturer Part Number NGD15N41ACLT4G Manufacturer Littelfuse Inc. Category Discrete Semiconductor Products Transistors - IGBTs - Single To-252-3, DPak (2 Leads + Tab), SC-63 Series - IGBT Type - Voltage - Collector Emitter Breakdown (Max) 440V Current - Collector (Ic) (Max) 15A Current - Collector Pulsed (Icm) 50A Vce(on) (Max) @ Vge, Ic 2.2V @ 4V, 10A Power - Max 107W Switching Energy - Input Type Logic Gate Charge - Td (on/off) @ 25°C -/4µs Test Condition 300V, 6.5A, 1 kOhm 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		
Category Discrete Semiconductor Products Transistors - IGBTs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series - IGBT Type - Voltage - Collector Emitter Breakdown (Max) Current - Collector (Ic) (Max) 15A Current - Collector Pulsed (Icm) 50A Vec(on) (Max) @ Vge, Ic 2.2V @ 4V, 10A Power - Max 107W Switching Energy - Input Type Logic Gate Charge 7d (on/off) @ 25°C 7/4µs Test Condition Reverse Recovery Time (trr) Operating Temperature Mounting Type Discrete Semiconductor Products To-252-3, DPak (2 Leads + Tab), SC-63 1-240 Logic 15A 15A 107W 107W 107W 107W 107W 107W 108W 109W	Manufacturer Part Number	NGD15N41ACLT4G
Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series - IGBT Type - Voltage - Collector Emitter Breakdown (Max) 440 V Current - Collector (Ic) (Max) 15A Current - Collector Pulsed (Icm) 50A Vce(on) (Max) @ Vge, Ic 2.2 V @ 4V, 10A Power - Max 107 W Switching Energy - Input Type Logic Gate Charge - Td (on/off) @ 25°C -/4μs Test Condition 300V, 6.5A, 1 kOhm Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount	Manufacturer	Littelfuse Inc.
Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series - Collector Emitter Breakdown (Max) 440V Current - Collector (Ic) (Max) 15A Current - Collector Pulsed (Icm) 50A Vce(on) (Max) @ Vge, Ic 2.2V @ 4V, 10A Power - Max 107W Switching Energy - Logic Gate Charge - Vdus -	Category	Discrete Semiconductor Products
Series - GBT Type - Collector Emitter Breakdown (Max) 440V Current - Collector (Ic) (Max) 15A Current - Collector Pulsed (Icm) 50A Vce(on) (Max) @ Vge, Ic 2.2V @ 4V, 10A Power - Max 107W Switching Energy - Logic Gate Charge - Vdus - V		Transistors - IGBTs - Single
IGBT Type-Voltage - Collector Emitter Breakdown (Max)440 VCurrent - Collector (Ic) (Max)15 ACurrent - Collector Pulsed (Icm)50 AVce(on) (Max) @ Vge, Ic2.2 V @ 4V, 10 APower - Max107 WSwitching Energy-Input TypeLogicGate Charge-Td (on/off) @ 25°C-/4μsTest Condition300V, 6.5 A, 1 kOhmReverse Recovery Time (trr)-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface Mount	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Voltage - Collector Emitter Breakdown (Max) Current - Collector (Ic) (Max) Current - Collector Pulsed (Icm) 50A Vce(on) (Max) @ Vge, Ic 2.2V @ 4V, 10A Power - Max 107W Switching Energy - Input Type Logic Gate Charge - '4µs Test Condition Reverse Recovery Time (trr) Operating Temperature Mounting Type Surface Mount	Series	-
Current - Collector (Ic) (Max) Current - Collector Pulsed (Icm) 50A Vce(on) (Max) @ Vge, Ic 2.2V @ 4V, 10A Power - Max 107W Switching Energy - Logic Gate Charge	IGBT Type	-
Current - Collector Pulsed (Icm) $50A$ Vce(on) (Max) @ Vge, Ic $2.2V @ 4V, 10A$ Power - Max $107W$ Switching Energy-Input TypeLogicGate Charge-Td (on/off) @ 25° C $-/4\mu$ sTest Condition $300V, 6.5A, 1 kOhm$ Reverse Recovery Time (trr)-Operating Temperature -55° C ~ 175° C (TJ)Mounting TypeSurface Mount	Voltage - Collector Emitter Breakdown (Max)	440V
Vce(on) (Max) @ Vge, Ic 2.2V @ 4V, 10A Power - Max 107W Switching Energy - Input Type Logic Gate Charge - Td (on/off) @ 25°C -/4μs Test Condition 300V, 6.5A, 1 kOhm Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount	Current - Collector (Ic) (Max)	15A
Power - Max107WSwitching Energy-Input TypeLogicGate Charge-Td (on/off) @ 25°C-/4μsTest Condition300V, 6.5A, 1 kOhmReverse Recovery Time (trr)-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface Mount	Current - Collector Pulsed (Icm)	50A
Switching Energy - Input Type Logic Gate Charge - Td (on/off) @ 25°C -/4µs Test Condition 300V, 6.5A, 1 kOhm Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount	Vce(on) (Max) @ Vge, Ic	2.2V @ 4V, 10A
Input Type Logic Gate Charge - Td (on/off) @ 25°C -/4 μ s Test Condition 300V, 6.5A, 1 kOhm Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount	Power - Max	107W
Gate Charge-Td (on/off) @ 25°C-/4μsTest Condition300V, 6.5A, 1 kOhmReverse Recovery Time (trr)-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface Mount	Switching Energy	-
Td (on/off) @ 25°C	Input Type	Logic
Test Condition 300V, 6.5A, 1 kOhm Reverse Recovery Time (trr) - Operating Temperature $-55^{\circ}\text{C} \sim 175^{\circ}\text{C}$ (TJ) Mounting Type Surface Mount	Gate Charge	-
Reverse Recovery Time (trr) - Operating Temperature -55°C \sim 175°C (TJ) Mounting Type Surface Mount	Td (on/off) @ 25°C	-/4µs
Operating Temperature $-55^{\circ}\text{C} \sim 175^{\circ}\text{C} \text{ (TJ)}$ Mounting Type Surface Mount	Test Condition	300V, 6.5A, 1 kOhm
Mounting Type Surface Mount	Reverse Recovery Time (trr)	-
	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Mounting Type	Surface Mount
	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
Supplier Device Package DPAK-3	Supplier Device Package	DPAK-3
Report errors?		Report errors?

NGD15N41ACLT4G 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.

NGD15N41ACLT4G Payment Methods



















NGD15N41ACLT4G Shipping Methods













If you have any question about NGD15N41ACLT4G, please do not hesitate to contact us!

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