



### NGD15N41CLT4 Information



For Reference Only

Part Number NGD15N41CLT4
Manufacturer ON Semiconductor

Category Discrete Semiconductor Products Transistors - IGBTs - Single

**Description** IGBT 440V 15A 107W DPAK

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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# NGD15N41CLT4 Specifications

Manufacturer Part Number         NGD15N41CLT4           Manufacturer         ON Semiconductor           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)         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         -           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           Supplier Device Package         DPAK-3		
Category         Discrete Semiconductor Products           Package         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           Supplier Device Package         DPAK-3	Manufacturer Part Number	NGD15N41CLT4
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IGBT Type-Voltage - Collector Emitter Breakdown (Max)440 VCurrent - Collector (Ic) (Max)15ACurrent - Collector Pulsed (Icm)50AVce(on) (Max) @ Vge, Ic2.2 V @ 4V, 10APower - Max107 WSwitching 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 MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageDPAK-3	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
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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         Supplier Device Package       DPAK-3	IGBT Type	-
Current - Collector Pulsed (Icm)  Vce(on) (Max) @ Vge, Ic  2.2V @ 4V, 10A  107W  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	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         Package / Case       TO-252-3, DPak (2 Leads + Tab), SC-63         Supplier Device Package       DPAK-3	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 MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageDPAK-3	Current - Collector Pulsed (Icm)	50A
Switching Energy - Logic  Gate Charge	Vce(on) (Max) @ Vge, Ic	2.2V @ 4V, 10A
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 MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageDPAK-3	Power - Max	107W
Gate Charge - (74μs) Test Condition 300V, 6.5A, 1 kOhm Reverse Recovery Time (trr) - (TJ)  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-3	Switching Energy	-
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  Supplier Device Package DPAK-3	Input Type	Logic
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  Supplier Device Package DPAK-3	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-3	Td (on/off) @ 25°C	-/4μs
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Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package DPAK-3	Reverse Recovery Time (trr)	-
Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package DPAK-3	Operating Temperature	-55°C ~ 175°C (TJ)
Supplier Device Package DPAK-3	Mounting Type	Surface Mount
	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
Report errors?	Supplier Device Package	DPAK-3
		Report errors?

### **NGD15N41CLT4 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.

# NGD15N41CLT4 Payment Methods





















### NGD15N41CLT4 Shipping Methods













If you have any question about NGD15N41CLT4, please do not hesitate to contact us!

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