



STGDL6NC60DT4 Information



For Reference Only

Part Number STGDL6NC60DT4
Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - IGBTs - Single

Description IGBT 600V 13A 50W 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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STGDL6NC60DT4 Specifications

| Manufacturer Part Number STGDL6NC60DT4 Manufacturer STMicroelectronics Category Discrete Semiconductor Products Transistors - IGBTs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series PowerMESH? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 13A Current - Collector Pulsed (Icm) 25A Vce(on) (Max) @ Vge, Ic 2.9V @ 15V, 3A Power - Max 50W Switching Energy 46.5μJ (on), 23.5μJ (off) Input Type Standard Gate Charge 12nC Td (on/off) @ 25°C 6.7ns/46ns Test Condition 390V, 3A, 10 Ohm, 15V Reverse Recovery Time (trr) 30ns Operating Temperature -55°C ~ 150°C (TI) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak | | |
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| Input Type Standard Gate Charge 12nC Td (on/off) @ 25°C 6.7ns/46ns Test Condition 390V, 3A, 10 Ohm, 15V Reverse Recovery Time (trr) 30ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak | Power - Max | 50W |
| Gate Charge 12nC Td (on/off) @ 25°C 6.7ns/46ns Test Condition 390V, 3A, 10 Ohm, 15V Reverse Recovery Time (trr) 30ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak | Switching Energy | 46.5μJ (on), 23.5μJ (off) |
| Td (on/off) @ 25°C 6.7ns/46ns Test Condition 390V, 3A, 10 Ohm, 15V Reverse Recovery Time (trr) 30ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak | Input Type | Standard |
| Test Condition 390V, 3A, 10 Ohm, 15V Reverse Recovery Time (trr) 30ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak | Gate Charge | 12nC |
| Reverse Recovery Time (trr) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak | Td (on/off) @ 25°C | 6.7ns/46ns |
| Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak | Test Condition | 390V, 3A, 10 Ohm, 15V |
| Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak | Reverse Recovery Time (trr) | 30ns |
| Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak | Operating Temperature | -55°C ~ 150°C (TJ) |
| Supplier Device Package D-Pak | Mounting Type | Surface Mount |
| | Package / Case | TO-252-3, DPak (2 Leads + Tab), SC-63 |
| Report errors? | Supplier Device Package | D-Pak |
| | | Report errors? |

STGDL6NC60DT4 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.

STGDL6NC60DT4 Payment Methods



















STGDL6NC60DT4 Shipping Methods













If you have any question about STGDL6NC60DT4, please do not hesitate to contact us!

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