



STGY40NC60VD Information



For Reference Only

Part Number STGY40NC60VD
Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - IGBTs - Single

Description IGBT 600V 80A 260W MAX247

Package TO-247-3

For the pricing/inventory/lead time, please contact

us

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



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Certified Quality

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STGY40NC60VD Specifications

| Manufacturer Part Number STGY40NC60VD Manufacturer STMicroelectronics Category Discrete Semiconductor Products Transistors - IGBTs - Single TO-247-3 Series PowerMESH? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 80A Current - Collector Pulsed (Icm) - Vce(on) (Max) @ Vge, Ic 2.5V @ 15V, 40A Power - Max 260W Switching Energy 330μJ (on), 720μJ (off) Input Type Standard Gate Charge 214nC Td (on/off) @ 25°C 43ns/140ns Test Condition 390V, 40A, 3.3 Ohm, 15V Reverse Recovery Time (trr) 44ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole | | |
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| Category Discrete Semiconductor Products Transistors - IGBTs - Single Package TO-247-3 Series PowerMESH? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 80A Current - Collector Pulsed (Icm) - Vce(on) (Max) @ Vge, Ic 2.5V @ 15V, 40A Power - Max 260W Switching Energy 330μJ (on), 720μJ (off) Input Type Standard Gate Charge 214nC Td (on/off) @ 25°C 43ns/140ns Test Condition 390V, 40A, 3.3 Ohm, 15V Reverse Recovery Time (trr) 44ns Operating Temperature -55°C ~ 150°C (TJ) | Manufacturer Part Number | STGY40NC60VD |
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| Power - Max $260W$ Switching Energy $330\mu J (on), 720\mu J (off)$ Input Type $Standard$ Gate Charge $214nC$ Td (on/off) @ 25°C $43ns/140ns$ Test Condition $390V, 40A, 3.3 \text{ Ohm, } 15V$ Reverse Recovery Time (trr) $44ns$ Operating Temperature $-55°C \sim 150°C (TJ)$ | Current - Collector Pulsed (Icm) | - |
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| Input TypeStandardGate Charge $214nC$ Td (on/off) @ $25^{\circ}C$ $43ns/140ns$ Test Condition $390V$, $40A$, $3.3 Ohm$, $15V$ Reverse Recovery Time (trr) $44ns$ Operating Temperature $-55^{\circ}C \sim 150^{\circ}C$ (TJ) | Power - Max | 260W |
| | Switching Energy | 330μJ (on), 720μJ (off) |
| Td (on/off) @ 25° C 43ns/140ns Test Condition 390V, 40A, 3.3 Ohm, 15V Reverse Recovery Time (trr) 44ns Operating Temperature -55°C ~ 150° C (TJ) | Input Type | Standard |
| Test Condition 390V, 40A, 3.3 Ohm, 15V Reverse Recovery Time (trr) 44ns Operating Temperature -55°C \sim 150°C (TJ) | Gate Charge | 214nC |
| Reverse Recovery Time (trr) 44ns Operating Temperature -55°C \sim 150°C (TJ) | Td (on/off) @ 25°C | 43ns/140ns |
| Operating Temperature $-55^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$ | Test Condition | 390V, 40A, 3.3 Ohm, 15V |
| | Reverse Recovery Time (trr) | 44ns |
| Mounting Type Through Hole | Operating Temperature | -55°C ~ 150°C (TJ) |
| Mounting Type Through Hole | Mounting Type | Through Hole |
| Package / Case TO-247-3 | Package / Case | TO-247-3 |
| Supplier Device Package MAX247? | Supplier Device Package | MAX247? |
| Report errors | | Report errors? |

STGY40NC60VD 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.

STGY40NC60VD Payment Methods





















STGY40NC60VD Shipping Methods













If you have any question about STGY40NC60VD, please do not hesitate to contact us!

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