



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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STGY40NC60VD Specifications

Manufacturer Part Number STGY40NC60VD Manufacturer STMicroelectronics Category Discrete Semiconductor Products Package TC-247-3 Series PowerMESH? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (lc) (Max) 80A Current - Collector Pulsed (Icm) - Vec(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 Package / Case TO-247-3 Supplier Device Package MAX247?		
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IGBT Type-Voltage - Collector Emitter Breakdown (Max)600 VCurrent - Collector (Ic) (Max)80 ACurrent - Collector Pulsed (Icm)-Vce(on) (Max) @ Vge, Ic2.5 V @ 15 V, 40 APower - Max260 WSwitching Energy330 μJ (on), 720 μJ (off)Input TypeStandardGate Charge214 nCTd (on/off) @ 25°C43 ns/140 nsTest Condition390 V, 40 A, 3.3 Ohm, 15 VReverse Recovery Time (trr)44 nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-247-3Supplier Device PackageMAX247?	Package	TO-247-3
Voltage - Collector Emitter Breakdown (Max) Current - Collector (Ic) (Max) Current - Collector Pulsed (Icm) - Vce(on) (Max) @ Vge, Ic 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 Package / Case TO-247-3 Supplier Device Package	Series	PowerMESH?
Current - Collector (Ic) (Max) Current - Collector Pulsed (Icm) Vee(on) (Max) @ Vge, Ic Power - Max 260W Switching Energy 330µ (on), 720µ (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 Package / Case TO-247-3 Supplier Device Package	IGBT Type	-
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 Package / Case TO-247-3 Supplier Device Package MAX247?	Voltage - Collector Emitter Breakdown (Max)	600V
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 Package / Case TO-247-3 Supplier Device Package MAX247?	Current - Collector (Ic) (Max)	80A
Power - Max 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 Package / Case Supplier Device Package MAX247?	Current - Collector Pulsed (Icm)	-
Switching Energy 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 Package / Case TO-247-3 Supplier Device Package MAX247?	Vce(on) (Max) @ Vge, Ic	2.5V @ 15V, 40A
Input Type 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 Package / Case TO-247-3 Supplier Device Package MAX247?	Power - Max	260W
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 Package / Case TO-247-3 Supplier Device Package MAX247?	Switching Energy	330μJ (on), 720μJ (off)
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Test Condition 390V, 40A, 3.3 Ohm, 15V Reverse Recovery Time (trr) 44ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package MAX247?	Gate Charge	214nC
Reverse Recovery Time (trr) 44ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package MAX247?	Td (on/off) @ 25°C	43ns/140ns
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package MAX247?	Test Condition	390V, 40A, 3.3 Ohm, 15V
Mounting TypeThrough HolePackage / CaseTO-247-3Supplier Device PackageMAX247?	Reverse Recovery Time (trr)	44ns
Package / Case TO-247-3 Supplier Device Package MAX247?	Operating Temperature	-55°C ~ 150°C (TJ)
Supplier Device Package MAX247?	Mounting Type	Through Hole
	Package / Case	TO-247-3
Report errors?	Supplier Device Package	MAX247?
		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