



STGW20NC60VD Information



For Reference Only

Part Number STGW20NC60VD Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - IGBTs - Single

Description IGBT 600V 60A 200W TO247

Package TO-247-3

For the pricing/inventory/lead time, please contact

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.









STGW20NC60VD Specifications

Manufacturer Part Number STGW20NC60VD Manufacturer STMicroelectronics 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) 60A Current - Collector Pulsed (Icm) 150A Vce(on) (Max) @ Vge, Ic 2.5V @ 15V, 20A Power - Max 200W Switching Energy 220µJ (on), 330µJ (off) Input Type Standard Gate Charge 100nC Td (on/off) @ 25°C 31ns/100ns Test Condition 390V, 20A, 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 TO-247-3		
Category Discrete Semiconductor Products Package TO-247-3 Series PowerMESH? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 600A Current - Collector Pulsed (Icm) 150A Vce(on) (Max) @ Vge, Ic 2.5V @ 15V, 20A Power - Max 200W Switching Energy 220µJ (on), 330µJ (off) Input Type Standard Gate Charge 100nC Td (on/off) @ 25°C 31ns/100ns Test Condition 390V, 20A, 3.3 Ohm, 15V Reverse Recovery Time (trr) 44ns Operating Temperature -55°C ~ 150°C (TI) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package TO-247-3	Manufacturer Part Number	STGW20NC60VD
Package TO-247-3 Series PowerMESH? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 60A Current - Collector Pulsed (Icm) 150A Vce(on) (Max) @ Vge, Ic 2.5V @ 15V, 20A Power - Max 200W Switching Energy 220μJ (on), 330μJ (off) Input Type Standard Gate Charge 100nC Td (on/off) @ 25°C 31ns/100ns Test Condition 390V, 20A, 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 TO-247-3	Manufacturer	STMicroelectronics
Package TO-247-3 Series PowerMESH? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 60A Current - Collector Pulsed (Icm) 150A Vce(on) (Max) @ Vge, Ic 2.5V @ 15V, 20A Power - Max 200W Switching Energy 220μJ (on), 330μJ (off) Input Type Standard Gate Charge 100nC Td (on/off) @ 25°C 31ns/100ns Test Condition 390V, 20A, 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 TO-247-3	Category	Discrete Semiconductor Products
Series PowerMESH? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 60A Current - Collector Pulsed (Icm) 150A Vce(on) (Max) @ Vge, Ic 2.5V @ 15V, 20A Power - Max 200W Switching Energy 220µJ (on), 330µJ (off) Input Type Standard Gate Charge 100nC Td (on/off) @ 25°C 31ns/100ns Test Condition 390V, 20A, 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 TO-247-3		Transistors - IGBTs - Single
IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 60A Current - Collector Pulsed (Icm) 150A Vce(on) (Max) @ Vge, Ic 2.5V @ 15V, 20A Power - Max 200W Switching Energy 220μJ (on), 330μJ (off) Input Type Standard Gate Charge 100nC Td (on/off) @ 25°C 31ns/100ns Test Condition 390V, 20A, 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 TO-247-3	Package	TO-247-3
Voltage - Collector Emitter Breakdown (Max) Current - Collector (Ic) (Max) Current - Collector Pulsed (Icm) 150A Vce(on) (Max) @ Vge, Ic 2.5V @ 15V, 20A Power - Max 200W Switching Energy 220µJ (on), 330µJ (off) Input Type Standard Gate Charge 100nC Td (on/off) @ 25°C 31ns/100ns Test Condition 390V, 20A, 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 200W Switching Energy 220µJ (on), 330µJ (off) Input Type Standard Gate Charge 100nC Td (on/off) @ 25°C 31ns/100ns Test Condition 390V, 20A, 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, 20A 200W Switching Energy 220µJ (on), 330µJ (off) Input Type Standard Gate Charge 100nC Td (on/off) @ 25°C 31ns/100ns Test Condition 390V, 20A, 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	Voltage - Collector Emitter Breakdown (Max)	600V
Vce(on) (Max) @ Vge, Ic 2.5V @ 15V, 20A Power - Max 200W Switching Energy 220μJ (on), 330μJ (off) Input Type Standard Gate Charge 100nC Td (on/off) @ 25°C 31ns/100ns Test Condition 390V, 20A, 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 TO-247-3	Current - Collector (Ic) (Max)	60A
Power - Max200WSwitching Energy220μJ (on), 330μJ (off)Input TypeStandardGate Charge100nCTd (on/off) @ 25°C31ns/100nsTest Condition390V, 20A, 3.3 Ohm, 15VReverse Recovery Time (trr)44nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-247-3Supplier Device PackageTO-247-3	Current - Collector Pulsed (Icm)	150A
Switching Energy 220µJ (on), 330µJ (off) Input Type Standard Gate Charge 100nC Td (on/off) @ 25°C 31ns/100ns Test Condition 390V, 20A, 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 TO-247-3	Vce(on) (Max) @ Vge, Ic	2.5V @ 15V, 20A
Input Type Standard Gate Charge 100nC Td (on/off) @ 25°C 31ns/100ns Test Condition 390V, 20A, 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	Power - Max	200W
Gate Charge 100nC Td (on/off) @ 25°C 31ns/100ns Test Condition 390V, 20A, 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 TO-247-3	Switching Energy	220μJ (on), 330μJ (off)
Td (on/off) @ 25°C 31ns/100ns Test Condition 390V, 20A, 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	Input Type	Standard
Test Condition 390V, 20A, 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 TO-247-3	Gate Charge	100nC
Reverse Recovery Time (trr) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package	Td (on/off) @ 25°C	31ns/100ns
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package TO-247-3	Test Condition	390V, 20A, 3.3 Ohm, 15V
Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package TO-247-3	Reverse Recovery Time (trr)	44ns
Package / Case TO-247-3 Supplier Device Package TO-247-3	Operating Temperature	-55°C ~ 150°C (TJ)
Supplier Device Package TO-247-3	Mounting Type	Through Hole
	Package / Case	TO-247-3
Domont owners?	Supplier Device Package	TO-247-3
Report errors?		Report errors?

STGW20NC60VD 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.

STGW20NC60VD Payment Methods



















STGW20NC60VD Shipping Methods













If you have any question about STGW20NC60VD, please do not hesitate to contact us!

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