



STGB20NC60V Information



For Reference Only

Part Number STGB20NC60V
Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - IGBTs - Single

Description IGBT 600V 60A 200W D2PAK

Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB

For the pricing/inventory/lead time, please contact

118

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.









STGB20NC60V Specifications

Manufacturer Part Number STGB20NC60V Manufacturer STMicroelectronics Category Discrete Semiconductor Products Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series PowerMESH? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 60A Current - Collector Pulsed (Icm) 100A Vce(on) (Max) @ Vge, Ic 2.5V @ 15V, 20A Power - Max 200W Switching Energy 220μ (on), 330μ (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) - Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK		
Category Discrete Semiconductor Products Transistors - IGBTs - Single Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series PowerMESH? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 60A Current - Collector Pulsed (Icm) 100A 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) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package	Manufacturer Part Number	STGB20NC60V
Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series PowerMESH? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 60A Current - Collector Pulsed (Icm) 100A 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) - Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK	Manufacturer	STMicroelectronics
PackageTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSeriesPowerMESH?IGBT Type-Voltage - Collector Emitter Breakdown (Max)600VCurrent - Collector (Ic) (Max)60ACurrent - Collector Pulsed (Icm)100AVce(on) (Max) @ Vge, Ic2.5V @ 15V, 20APower - Max200WSwitching Energy220μJ (on), 330μJ (off)Input TypeStandardGate Charge100nCTd (on/off) @ 25°C31ns/100nsTest Condition390V, 20A, 3.3 Ohm, 15VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Category	Discrete Semiconductor Products
Series PowerMESH? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 60A Current - Collector Pulsed (Icm) 100A 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) - Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK		Transistors - IGBTs - Single
GBT Type	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Voltage - Collector Emitter Breakdown (Max) Current - Collector (Ic) (Max) Current - Collector Pulsed (Icm) 100A 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) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package	Series	PowerMESH?
Current - Collector (Ic) (Max) 60A Current - Collector Pulsed (Icm) 100A 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) - Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK	IGBT Type	-
Current - Collector Pulsed (Icm) Vce(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) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB 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) - Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK	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)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Current - Collector Pulsed (Icm)	100A
Switching Energy 220µJ (on), 330µJ (off) Input Type Standard 100nC Td (on/off) @ 25°C 31ns/100ns Test Condition 390V, 20A, 3.3 Ohm, 15V Reverse Recovery Time (trr) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package	Vce(on) (Max) @ Vge, Ic	2.5V @ 15V, 20A
Input Type Gate Charge 100nC Td (on/off) @ 25°C 31ns/100ns Test Condition 390V, 20A, 3.3 Ohm, 15V Reverse Recovery Time (trr) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB 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) - Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK	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) - Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK	Input Type	Standard
Test Condition 390V, 20A, 3.3 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK	Gate Charge	100nC
Reverse Recovery Time (trr) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK	Td (on/off) @ 25°C	31ns/100ns
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK	Test Condition	390V, 20A, 3.3 Ohm, 15V
Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK	Reverse Recovery Time (trr)	-
Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK	Operating Temperature	-55°C ~ 150°C (TJ)
Supplier Device Package D2PAK	Mounting Type	Surface Mount
	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Report errors?	Supplier Device Package	D2PAK
		Report errors?

STGB20NC60V 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.

STGB20NC60V Payment Methods



















STGB20NC60V Shipping Methods













If you have any question about STGB20NC60V, please do not hesitate to contact us!

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