



STGP10NC60KD Information



For Reference Only

Part Number STGP10NC60KD
Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - IGBTs - Single

Description IGBT 600V 20A 65W TO220

Package TO-220-3

For the pricing/inventory/lead time, please contact

us

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



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STGP10NC60KD Specifications

Manufacturer Part Number STGP10NC60KD Manufacturer STMicroelectronics Category Discrete Semiconductor Products Transistors - IGBTs - Single Package TO-220-3 Series PowerMESH? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 20A Current - Collector Pulsed (Icm) 30A Vce(on) (Max) @ Vge, Ic 2.5V @ 15V, 5A Power - Max 65W Switching Energy 55μJ (on), 85μJ (off) Input Type Standard Gate Charge 19nC Td (on/off) @ 25°C 17ns/72ns Test Condition 390V, 5A, 10 Ohm, 15V Reverse Recovery Time (trr) 22ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220AB		
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Series PowerMESH? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 20A Current - Collector Pulsed (Icm) 30A Vce(on) (Max) @ Vge, Ic 2.5V @ 15V, 5A Power - Max 65W Switching Energy 55μJ (on), 85μJ (off) Input Type Standard Gate Charge 19nC Td (on/off) @ 25°C 17ns/72ns Test Condition 390V, 5A, 10 Ohm, 15V Reverse Recovery Time (trr) 22ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220AB		Transistors - IGBTs - Single
IGBT Type-Voltage - Collector Emitter Breakdown (Max)600 VCurrent - Collector (Ic) (Max)20ACurrent - Collector Pulsed (Icm)30AVce(on) (Max) @ Vge, Ic2.5 V @ 15 V, 5 APower - Max65 WSwitching Energy55 μJ (on), 85 μJ (off)Input TypeStandardGate Charge19 nCTd (on/off) @ 25 °C17 ns/72 nsTest Condition390 V, 5 A, 10 Ohm, 15 VReverse Recovery Time (trr)22 nsOperating Temperature-55 °C ~ 150 °C (TJ)Mounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220AB	Package	TO-220-3
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Input Type Gate Charge 19nC Td (on/off) @ 25°C 17ns/72ns Test Condition 390V, 5A, 10 Ohm, 15V Reverse Recovery Time (trr) 22ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package	Power - Max	65W
Gate Charge 19nC Td (on/off) @ 25°C 17ns/72ns Test Condition 390V, 5A, 10 Ohm, 15V Reverse Recovery Time (trr) 22ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220AB	Switching Energy	55µJ (on), 85µJ (off)
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Test Condition 390V, 5A, 10 Ohm, 15V Reverse Recovery Time (trr) 22ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220AB	Gate Charge	19nC
Reverse Recovery Time (trr) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220AB	Td (on/off) @ 25°C	17ns/72ns
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220AB	Test Condition	390V, 5A, 10 Ohm, 15V
Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220AB	Reverse Recovery Time (trr)	22ns
Package / Case TO-220-3 Supplier Device Package TO-220AB	Operating Temperature	-55°C ~ 150°C (TJ)
Supplier Device Package TO-220AB	Mounting Type	Through Hole
	Package / Case	TO-220-3
Report errors?	Supplier Device Package	TO-220AB
*		Report errors?

STGP10NC60KD 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.

STGP10NC60KD Payment Methods



















STGP10NC60KD Shipping Methods













If you have any question about STGP10NC60KD, please do not hesitate to contact us!

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