



HGT1S2N120CN Information

Heisener.com

Part Number HGT1S2N120CN

Manufacturer Fairchild/ON Semiconductor

Category Discrete Semiconductor Products
Transistors - IGBTs - Single

Description IGBT 1200V 13A 104W I2PAK

Package TO-262-3 Long Leads, I2Pak, TO-262AA

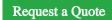
For the pricing/inventory/lead time, please contact

us

For Reference Only

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





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.









HGT1S2N120CN Specifications

Manufacturer Part Number HGT1S2N120CN Manufacturer Fairchild/ON Semiconductor Category Discrete Semiconductor Products Transistors - IGBTs - Single Package TO-262-3 Long Leads, 12Pak, TO-262AA Series - IGBT Type NPT Voltage - Collector Emitter Breakdown (Max) 1200V Current - Collector (lc) (Max) 13A Current - Collector Pulsed (Icm) 20A Vec(on) (Max) @ Vge, Ic 2.4V @ 15V, 2.6A Power - Max 104W Switching Energy 96μJ (on), 355μJ (off) Input Type Standard Gate Charge 30nC Td (on/off) @ 25°C 25ns/205ns Test Condition 960V, 2.6A, 51 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-262-3 Long Leads, 12Pak, TO-262AA Supplier Device Package TO-262		
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Series - IGBT Type NPT Voltage - Collector Emitter Breakdown (Max) 1200V Current - Collector (Ic) (Max) 13A Current - Collector Pulsed (Icm) 20A Vce(on) (Max) @ Vge, Ic 2.4V @ 15V, 2.6A Power - Max 104W Switching Energy 96μJ (on), 355μJ (off) Input Type Standard Gate Charge 30nC Test Condition 960V, 2.6A, 51 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-262-3 Long Leads, 12Pak, TO-262AA Supplier Device Package TO-262		Transistors - IGBTs - Single
IGBT TypeNPTVoltage - Collector Emitter Breakdown (Max)1200VCurrent - Collector (Ic) (Max)13ACurrent - Collector Pulsed (Icm)20AVce(on) (Max) @ Vge, Ic2.4V @ 15V, 2.6APower - Max104WSwitching Energy96μJ (on), 355μJ (off)Input TypeStandardGate Charge30nCTd (on/off) @ 25°C25ns/205nsTest Condition960V, 2.6A, 51 Ohm, 15VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-262-3 Long Leads, 12Pak, TO-262AASupplier Device PackageTO-262	Package	TO-262-3 Long Leads, I2Pak, TO-262AA
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Current - Collector (Ic) (Max)13ACurrent - Collector Pulsed (Icm)20AVce(on) (Max) @ Vge, Ic2.4V @ 15V, 2.6APower - Max104WSwitching Energy96μJ (on), 355μJ (off)Input TypeStandardGate Charge30nCTd (on/off) @ 25°C25ns/205nsTest Condition960V, 2.6A, 51 Ohm, 15VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-262-3 Long Leads, 12Pak, TO-262AASupplier Device PackageTO-262	IGBT Type	NPT
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Switching Energy 96μJ (on), 355μJ (off) Input Type Standard Gate Charge 30nC Td (on/off) @ 25°C 25ns/205ns Test Condition 960V, 2.6A, 51 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-262-3 Long Leads, I2Pak, TO-262AA Supplier Device Package	Vce(on) (Max) @ Vge, Ic	2.4V @ 15V, 2.6A
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Gate Charge Td (on/off) @ 25°C Test Condition Peverse Recovery Time (trr) Operating Temperature Package / Case To-262-3 Long Leads, I2Pak, TO-262AA TO-262	Switching Energy	96μJ (on), 355μJ (off)
Td (on/off) @ 25°C 25ns/205ns Test Condition 960V, 2.6A, 51 Ohm, 15V	Input Type	Standard
Test Condition 960V, 2.6A, 51 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-262-3 Long Leads, I2Pak, TO-262AA Supplier Device Package TO-262	Gate Charge	30nC
Reverse Recovery Time (trr) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-262-3 Long Leads, I2Pak, TO-262AA Supplier Device Package TO-262	Td (on/off) @ 25°C	25ns/205ns
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Mounting Type Through Hole Package / Case TO-262-3 Long Leads, I2Pak, TO-262AA Supplier Device Package TO-262	Reverse Recovery Time (trr)	-
Package / Case TO-262-3 Long Leads, I2Pak, TO-262AA Supplier Device Package TO-262	Operating Temperature	-55°C ~ 150°C (TJ)
Supplier Device Package TO-262	Mounting Type	Through Hole
	Package / Case	TO-262-3 Long Leads, I2Pak, TO-262AA
Report errors?	Supplier Device Package	TO-262
		Report errors?

HGT1S2N120CN 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.

HGT1S2N120CN Payment Methods



















HGT1S2N120CN Shipping Methods













If you have any question about HGT1S2N120CN, please do not hesitate to contact us!

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