

IHY20N120R3XKSA1

IHY20N120R3XKSA1 Information

Heisener.com

Part Number IHY20N120R3XKSA1 **Manufacturer** Infineon Technologies

Category Discrete Semiconductor Products

Transistors - IGBTs - Single

Description IGBT 1200V 40A 310W TO247HC-3

Package TO-247-3 Variant

For the pricing/inventory/lead time, please contact

us

For Reference Only

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

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Certified Quality

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IHY20N120R3XKSA1 Specifications

Manufacturer Part Number IHY20N120R3XKSA1 Manufacturer Infineon Technologies Category Discrete Semiconductor Products Transistors - IGBTs - Single Package TO-247-3 Variant Series TrenchStop? IGBT Type Trench Voltage - Collector Emitter Breakdown (Max) 1200V Current - Collector (Lc) (Max) 40A Current - Collector Pulsed (Icm) 60A Vec(on) (Max) @ Vge, Ic 1.7V @ 15V, 20A Power - Max 310W Switching Energy 950µ (off) Input Type Standard Gate Charge 211nC 7d (on/off) @ 25°C -/387ns Test Condition 600V, 20A, 15 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -40°C ~ 175°C (TI) Mounting Type Through Hole Package / Case TO-247-3 Variant Supplier Device Package PG-TO247HC-3		
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Series TrenchStop? IGBT Type Trench Voltage - Collector Emitter Breakdown (Max) 1200V Current - Collector (Ic) (Max) 40A Current - Collector Pulsed (Icm) 60A Vce(on) (Max) @ Vge, Ic 1.7V @ 15V, 20A Power - Max 310W Switching Energy 950µJ (off) Input Type Standard Gate Charge 211nC Td (on/off) @ 25°C -/387ns Test Condition 600V, 20A, 15 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Variant Supplier Device Package PG-TO247HC-3		Transistors - IGBTs - Single
IGBT Type Trench Voltage - Collector Emitter Breakdown (Max) 1200V Current - Collector (Ic) (Max) 40A Current - Collector Pulsed (Icm) 60A Vce(on) (Max) @ Vge, Ic 1.7V @ 15V, 20A Power - Max 310W Switching Energy 950μJ (off) Input Type Standard Gate Charge 211nC Td (on/off) @ 25°C -/387ns Test Condition 600V, 20A, 15 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Variant Supplier Device Package PG-TO247HC-3	Package	TO-247-3 Variant
Voltage - Collector Emitter Breakdown (Max) Current - Collector (Ic) (Max) Current - Collector Pulsed (Icm) 60A Vce(on) (Max) @ Vge, Ic 1.7V @ 15V, 20A Power - Max 310W Switching Energy 950µJ (off) Input Type Standard Gate Charge 211nC Td (on/off) @ 25°C -/387ns Test Condition 600V, 20A, 15 Ohm, 15V Reverse Recovery Time (trr) Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Variant Supplier Device Package	Series	TrenchStop?
Current - Collector (Ic) (Max) Current - Collector Pulsed (Icm) Vee(on) (Max) @ Vge, Ic 1.7V @ 15V, 20A Power - Max 310W Switching Energy 950µJ (off) Input Type Standard Gate Charge 211nC Td (on/off) @ 25°C -/387ns Test Condition 600V, 20A, 15 Ohm, 15V Reverse Recovery Time (trr) Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Variant Supplier Device Package	IGBT Type	Trench
Current - Collector Pulsed (Icm) Vee(on) (Max) @ Vge, Ic 1.7V @ 15V, 20A Power - Max 310W Switching Energy 950µJ (off) Input Type Standard Gate Charge 211nC Td (on/off) @ 25°C -/387ns Test Condition 600V, 20A, 15 Ohm, 15V Reverse Recovery Time (trr) Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Variant Supplier Device Package	Voltage - Collector Emitter Breakdown (Max)	1200V
Vce(on) (Max) @ Vge, Ic 1.7V @ 15V, 20A Power - Max 310W Switching Energy 950μJ (off) Input Type Standard Gate Charge 211nC Td (on/off) @ 25°C -/387ns Test Condition 600V, 20A, 15 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Variant Supplier Device Package PG-TO247HC-3	Current - Collector (Ic) (Max)	40A
Power - Max310WSwitching Energy950μJ (off)Input TypeStandardGate Charge211nCTd (on/off) @ 25°C-/387nsTest Condition600V, 20A, 15 Ohm, 15VReverse Recovery Time (trr)-Operating Temperature-40°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseTO-247-3 VariantSupplier Device PackagePG-TO247HC-3	Current - Collector Pulsed (Icm)	60A
Switching Energy 950µJ (off) Input Type Standard Gate Charge 211nC Td (on/off) @ 25°C -/387ns Test Condition 600V, 20A, 15 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Variant Supplier Device Package	Vce(on) (Max) @ Vge, Ic	1.7V @ 15V, 20A
Input Type Standard Gate Charge 211nC Td (on/off) @ 25°C -/387ns Test Condition 600V, 20A, 15 Ohm, 15V Reverse Recovery Time (trr) Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Variant Supplier Device Package	Power - Max	310W
Gate Charge 211nC Td (on/off) @ 25°C -/387ns Test Condition 600V, 20A, 15 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Variant Supplier Device Package	Switching Energy	950μJ (off)
Td (on/off) @ 25°C -/387ns Test Condition 600V, 20A, 15 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Variant Supplier Device Package PG-TO247HC-3	Input Type	Standard
Test Condition 600V, 20A, 15 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Variant Supplier Device Package PG-TO247HC-3	Gate Charge	211nC
Reverse Recovery Time (trr) Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Variant Supplier Device Package PG-TO247HC-3	Td (on/off) @ 25°C	-/387ns
Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Variant Supplier Device Package PG-TO247HC-3	Test Condition	600V, 20A, 15 Ohm, 15V
Mounting Type Through Hole Package / Case TO-247-3 Variant Supplier Device Package PG-TO247HC-3	Reverse Recovery Time (trr)	-
Package / Case TO-247-3 Variant Supplier Device Package PG-TO247HC-3	Operating Temperature	-40°C ~ 175°C (TJ)
Supplier Device Package PG-TO247HC-3	Mounting Type	Through Hole
	Package / Case	TO-247-3 Variant
Report errors?	Supplier Device Package	PG-TO247HC-3
		Report errors?

IHY20N120R3XKSA1 Guarantees



Ouality 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.

IHY20N120R3XKSA1 Payment Methods



















IHY20N120R3XKSA1 Shipping Methods













If you have any question about IHY20N120R3XKSA1, please do not hesitate to contact us!

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