



IXBH12N300 Information



For Reference Only

Part Number IXBH12N300

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - IGBTs - Single

Description IGBT 3000V 30A 160W TO247

Package TO-247-3

For the pricing/inventory/lead time, please contact

us

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



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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.









IXBH12N300 Specifications

Manufacturer Part Number IXBH12N300 Manufacturer IXYS Category Discrete Semiconductor Products Transistors - IGBTs - Single Package TO-247-3 Series BIMOSFET? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 3000V Current - Collector (Ie) (Max) 30A Current - Collector Pulsed (Icm) 100A Vce(on) (Max) @ Vge, Ic 3.2V @ 15V, 12A Power - Max 160W Switching Energy - Input Type Standard Gate Charge 62nC Td (on/off) @ 25°C - Test Condition - Reverse Recovery Time (trr) 1.4μs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole		
Category Discrete Semiconductor Products Transistors - IGBTs - Single Package TO-247-3 Series BIMOSFET? IGBT Type - Voltage - Collector Emitter Breakdown (Max) Current - Collector (Ic) (Max) Current - Collector Pulsed (Icm) Voe(on) (Max) @ Vge, Ic Power - Max I60W Switching Energy Input Type Standard Gate Charge Gate Charge Td (on/off) @ 25°C Test Condition Reverse Recovery Time (trr) Operating Temperature Discrete Semiconductor Products Todacts Semiconductor Products Todacts - IGBTs - Single Todacts - Single Todacts - Single Td (on/oft) @ 25°C Test Condition Tables Tab	Manufacturer Part Number	IXBH12N300
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IGBT Type - Voltage - Collector Emitter Breakdown (Max) 3000V Current - Collector (Ic) (Max) 30A Current - Collector Pulsed (Icm) 100A Vce(on) (Max) @ Vge, Ic 3.2V @ 15V, 12A Power - Max 160W Switching Energy - Input Type Standard Gate Charge 62nC Td (on/off) @ 25°C - Test Condition - Reverse Recovery Time (trr) 1.4μs Operating Temperature -55°C ~ 150°C (TJ)	Package	TO-247-3
Voltage - Collector Emitter Breakdown (Max)3000VCurrent - Collector (Ic) (Max)30ACurrent - Collector Pulsed (Icm)100AVce(on) (Max) @ Vge, Ic3.2V @ 15V, 12APower - Max160WSwitching Energy-Input TypeStandardGate Charge62nCTd (on/off) @ 25°C-Test Condition-Reverse Recovery Time (trr)1.4μsOperating Temperature-55°C ~ 150°C (TJ)	Series	BIMOSFET?
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Vce(on) (Max) @ Vge, Ic 3.2V @ 15V, 12A Power - Max 160W Switching Energy - Input Type Standard Gate Charge 62nC Td (on/off) @ 25°C - Test Condition - Reverse Recovery Time (trr) 1.4μs Operating Temperature -55°C ~ 150°C (TJ)	Current - Collector (Ic) (Max)	30A
Power - Max160WSwitching Energy-Input TypeStandardGate Charge62nCTd (on/off) @ 25°C-Test Condition-Reverse Recovery Time (trr)1.4μsOperating Temperature-55°C ~ 150°C (TJ)	Current - Collector Pulsed (Icm)	100A
Switching Energy - Input Type Standard Gate Charge 62nC - Td (on/off) @ 25° C - CTest Condition - Reverse Recovery Time (trr) 1.4 μ s Operating Temperature - 55° C ~ 150° C (TJ)	Vce(on) (Max) @ Vge, Ic	3.2V @ 15V, 12A
Input TypeStandardGate Charge62nCTd (on/off) @ 25°C-Test Condition-Reverse Recovery Time (trr)1.4μsOperating Temperature-55°C ~ 150°C (TJ)	Power - Max	160W
	Switching Energy	-
Td (on/off) @ 25°C	Input Type	Standard
Test Condition - Reverse Recovery Time (trr) 1.4 μ s Operating Temperature -55°C ~ 150°C (TJ)	Gate Charge	62nC
Reverse Recovery Time (trr) $1.4\mu s$ Operating Temperature $-55^{\circ}C \sim 150^{\circ}C$ (TJ)	Td (on/off) @ 25°C	-
Operating Temperature $-55^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$	Test Condition	-
	Reverse Recovery Time (trr)	1.4µs
Mounting Type Through Hole	Operating Temperature	-55°C ~ 150°C (TJ)
Through Title	Mounting Type	Through Hole
Package / Case TO-247-3	Package / Case	TO-247-3
Supplier Device Package TO-247AD (IXBH)	Supplier Device Package	TO-247AD (IXBH)
Report errors?		Report errors?

IXBH12N300 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.

IXBH12N300 Payment Methods





















IXBH12N300 Shipping Methods













If you have any question about IXBH12N300, please do not hesitate to contact us!

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