



IXBH10N170 Information



For Reference Only

Part Number IXBH10N170

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - IGBTs - Single

Description IGBT 1700V 20A 140W TO247AD

Package TO-247-3

For the pricing/inventory/lead time, please contact

us

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.









IXBH10N170 Specifications

Manufacturer Part Number IXBH10N170 Manufacturer IXYS Category Discrete Semiconductor Products Transistors - IGBTs - Single Package TO-247-3 Series BIMOSFET? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 1700V Current - Collector (Ic) (Max) 20A Current - Collector Pulsed (Icm) 40A Vce(on) (Max) @ Vge, Ic 3.8V @ 15V, 10A Power - Max 140W Switching Energy 6mJ (off) Input Type Standard Gate Charge 30nC Td (on/off) @ 25°C 35ns/500ns Test Condition 1360V, 10A, 56 Ohm, 15V Reverse Recovery Time (trr) 360ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package TO-247AD (IXBH)		
Category Discrete Semiconductor Products Transistors - IGBTs - Single Package TO-247-3 Series BIMOSFET? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 1700V Current - Collector (Ic) (Max) 20A Current - Collector Pulsed (Icm) 40A Vce(on) (Max) @ Vge, Ic 3.8V @ 15V, 10A Power - Max 140W Switching Energy 6mJ (off) Input Type Standard Gate Charge 30nC Td (on/off) @ 25°C 35ns/500ns Test Condition 1360V, 10A, 56 Ohm, 15V Reverse Recovery Time (trr) 360ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-247-3	Manufacturer Part Number	IXBH10N170
Package TO-247-3 Series BIMOSFET? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 1700V Current - Collector (Ic) (Max) 20A Current - Collector Pulsed (Icm) 40A Vce(on) (Max) @ Vge, Ic 3.8V @ 15V, 10A Power - Max 140W Switching Energy 6mJ (off) Input Type Standard Gate Charge 30nC Td (on/off) @ 25°C 35ns/500ns Test Condition 1360V, 10A, 56 Ohm, 15V Reverse Recovery Time (trr) 360ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-247-3	Manufacturer	IXYS
Package TO-247-3 Series BIMOSFET? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 1700V Current - Collector (Ic) (Max) 20A Current - Collector Pulsed (Icm) 40A Vce(on) (Max) @ Vge, Ic 3.8V @ 15V, 10A Power - Max 140W Switching Energy 6mJ (off) Input Type Standard Gate Charge 30nC Td (on/off) @ 25°C 35ns/500ns Test Condition 1360V, 10A, 56 Ohm, 15V Reverse Recovery Time (trr) 360ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-247-3	Category	Discrete Semiconductor Products
Series BIMOSFET? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 1700V Current - Collector (Ic) (Max) 20A Current - Collector Pulsed (Icm) 40A Vce(on) (Max) @ Vge, Ic 3.8V @ 15V, 10A Power - Max 140W Switching Energy 6mJ (off) Input Type Standard Gate Charge 30nC Td (on/off) @ 25°C 35ns/500ns Test Condition 1360V, 10A, 56 Ohm, 15V Reverse Recovery Time (trr) 360ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-247-3		Transistors - IGBTs - Single
IGBT Type-Voltage - Collector Emitter Breakdown (Max)1700VCurrent - Collector (Ic) (Max)20ACurrent - Collector Pulsed (Icm)40AVce(on) (Max) @ Vge, Ic3.8V @ 15V, 10APower - Max140WSwitching Energy6mJ (off)Input TypeStandardGate Charge30nCTd (on/off) @ 25°C35ns/500nsTest Condition1360V, 10A, 56 Ohm, 15VReverse Recovery Time (trr)360nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-247-3	Package	TO-247-3
Voltage - Collector Emitter Breakdown (Max)1700VCurrent - Collector (Ic) (Max)20ACurrent - Collector Pulsed (Icm)40AVce(on) (Max) @ Vge, Ic3.8V @ 15V, 10APower - Max140WSwitching Energy6mJ (off)Input TypeStandardGate Charge30nCTd (on/off) @ 25°C35ns/500nsTest Condition1360V, 10A, 56 Ohm, 15VReverse Recovery Time (trr)360nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-247-3	Series	BIMOSFET?
Current - Collector (Ic) (Max) 20A Current - Collector Pulsed (Icm) 40A Vce(on) (Max) @ Vge, Ic 3.8V @ 15V, 10A Power - Max 140W Switching Energy 6mJ (off) Input Type Standard Gate Charge 30nC Td (on/off) @ 25°C 35ns/500ns Test Condition 1360V, 10A, 56 Ohm, 15V Reverse Recovery Time (trr) 360ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-247-3	IGBT Type	-
Current - Collector Pulsed (Icm) 40A Vce(on) (Max) @ Vge, Ic 3.8V @ 15V, 10A Power - Max 140W Switching Energy 6mJ (off) Input Type Standard Gate Charge 30nC Td (on/off) @ 25°C 35ns/500ns Test Condition 1360V, 10A, 56 Ohm, 15V Reverse Recovery Time (trr) 360ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-247-3	Voltage - Collector Emitter Breakdown (Max)	1700V
Vce(on) (Max) @ Vge, Ic 3.8V @ 15V, 10A Power - Max 140W Switching Energy 6mJ (off) Input Type Standard Gate Charge 30nC Td (on/off) @ 25°C 35ns/500ns Test Condition 1360V, 10A, 56 Ohm, 15V Reverse Recovery Time (trr) 360ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-247-3	Current - Collector (Ic) (Max)	20A
Power - Max Switching Energy 6mJ (off) Input Type Standard Gate Charge 30nC Td (on/off) @ 25°C 35ns/500ns Test Condition 1360V, 10A, 56 Ohm, 15V Reverse Recovery Time (trr) 360ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-247-3	Current - Collector Pulsed (Icm)	40A
Switching Energy Input Type Standard Gate Charge 30nC Td (on/off) @ 25°C 35ns/500ns Test Condition 1360V, 10A, 56 Ohm, 15V Reverse Recovery Time (trr) 360ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-247-3	Vce(on) (Max) @ Vge, Ic	3.8V @ 15V, 10A
Input Type Standard Gate Charge 30nC Td (on/off) @ 25°C 35ns/500ns Test Condition 1360V, 10A, 56 Ohm, 15V Reverse Recovery Time (trr) 360ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-247-3	Power - Max	140W
Gate Charge30nCTd (on/off) @ 25°C35ns/500nsTest Condition1360V, 10A, 56 Ohm, 15VReverse Recovery Time (trr)360nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-247-3	Switching Energy	6mJ (off)
Td (on/off) @ 25°C Test Condition Reverse Recovery Time (trr) Operating Temperature Operating Type Through Hole Package / Case 35ns/500ns 1360V, 10A, 56 Ohm, 15V 360ns -55°C ~ 150°C (TJ) Through Hole	Input Type	Standard
Test Condition 1360V, 10A, 56 Ohm, 15V Reverse Recovery Time (trr) 360ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-247-3	Gate Charge	30nC
Reverse Recovery Time (trr)360nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-247-3	Td (on/off) @ 25°C	35ns/500ns
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-247-3	Test Condition	1360V, 10A, 56 Ohm, 15V
Mounting Type Through Hole Package / Case TO-247-3	Reverse Recovery Time (trr)	360ns
Package / Case TO-247-3	Operating Temperature	-55°C ~ 150°C (TJ)
	Mounting Type	Through Hole
Supplier Device Package TO-247AD (IXBH)	Package / Case	TO-247-3
	Supplier Device Package	TO-247AD (IXBH)
Report errors?		Report errors?

IXBH10N170 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.

IXBH10N170 Payment Methods



















IXBH10N170 Shipping Methods













If you have any question about IXBH10N170, please do not hesitate to contact us!

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