



IXYH40N120B3 Information



For Reference Only

Part Number IXYH40N120B3

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - IGBTs - Single

Description IGBT 1200V 96A 577W TO247

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.









IXYH40N120B3 Specifications

Manufacturer Part Number IXYH40N120B3 Manufacturer IXYS Category Discrete Semiconductor Products Transistors - IGBTs - Single Package TO-247-3 Series GenX3?, XPT? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 1200V Current - Collector (Ic) (Max) 96A Current - Collector Pulsed (Icm) 200A Vec(on) (Max) @ Vge, Ic 2.9V @ 15V, 40A Power - Max 577W Switching Energy 2.7mJ (on), 1.6mJ (off) Input Type Standard Gate Charge 87nC Td (on/off) @ 25°C 22ns/177ns Test Condition 600V, 40A, 10 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 175°C (TI) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package TO-247 (IXYH)		
Category Discrete Semiconductor Products Transistors - IGBTs - Single Package TO-247-3 Series GenX3°, XPT°? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 1200V Current - Collector (Ic) (Max) 96A Current - Collector Pulsed (Icm) 200A Vce(on) (Max) @ Vge, Ic 2.9V @ 15V, 40A Power - Max 577W Switching Energy 2.7mJ (on), 1.6mJ (off) Input Type Standard Gate Charge 87nC Td (on/off) @ 25°C 22ns/177ns Test Condition 600V, 40A, 10 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package TO-247 (IXYH)	Manufacturer Part Number	IXYH40N120B3
Package TO-247-3 Series GenX3?, XPT? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 1200V Current - Collector (Ic) (Max) 96A Current - Collector Pulsed (Icm) 200A Vce(on) (Max) @ Vge, Ic 2.9V @ 15V, 40A Power - Max 577W Switching Energy 2.7mJ (on), 1.6mJ (off) Input Type Standard Gate Charge 87nC Td (on/off) @ 25°C 22ns/177ns Test Condition 600V, 40A, 10 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package TO-247 (IXYH)	Manufacturer	IXYS
Package TO-247-3 Series GenX3?, XPT? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 1200V Current - Collector (Ic) (Max) 96A Current - Collector Pulsed (Icm) 200A Vce(on) (Max) @ Vge, Ic 2.9V @ 15V, 40A Power - Max 577W Switching Energy 2.7mJ (on), 1.6mJ (off) Input Type Standard Gate Charge 87nC Td (on/off) @ 25°C 22ns/177ns Test Condition 600V, 40A, 10 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package TO-247 (IXYH)	Category	Discrete Semiconductor Products
Series GenX3?, XPT? IGBT Type - Voltage - Collector Emitter Breakdown (Max) 1200V Current - Collector (Ic) (Max) 96A Current - Collector Pulsed (Icm) 200A Vce(on) (Max) @ Vge, Ic 2.9V @ 15V, 40A Power - Max 577W Switching Energy 2.7mJ (on), 1.6mJ (off) Input Type Standard Gate Charge 87nC Td (on/off) @ 25°C 22ns/17ns Test Condition 600V, 40A, 10 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package TO-247 (IXYH)		Transistors - IGBTs - Single
IGBT Type - Voltage - Collector Emitter Breakdown (Max) 1200V Current - Collector (Ic) (Max) 96A Current - Collector Pulsed (Icm) 200A Vce(on) (Max) @ Vge, Ic 2.9V @ 15V, 40A Power - Max 577W Switching Energy 2.7mJ (on), 1.6mJ (off) Input Type Standard Gate Charge 87nC Td (on/off) @ 25°C 22ns/177ns Test Condition 600V, 40A, 10 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package TO-247 (IXYH)	Package	TO-247-3
Voltage - Collector Emitter Breakdown (Max) Current - Collector (Ic) (Max) Current - Collector Pulsed (Icm) Vee(on) (Max) @ Vge, Ic Power - Max Switching Energy Input Type Standard Gate Charge Td (on/off) @ 25°C Test Condition Test Condition Reverse Recovery Time (trr) Operating Temperature Operating Type Through Hole Package / Case Sundard To-247-3 Supplier Device Package To-247 (IXYH)	Series	GenX3?, XPT?
Current - Collector (Ic) (Max) 96A Current - Collector Pulsed (Icm) 200A Vce(on) (Max) @ Vge, Ic 2.9V @ 15V, 40A Power - Max 577W Switching Energy 2.7mJ (on), 1.6mJ (off) Input Type Standard Gate Charge 87nC Td (on/off) @ 25°C 22ns/177ns Test Condition 600V, 40A, 10 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package TO-247 (IXYH)	IGBT Type	-
Current - Collector Pulsed (Icm) 200A Vce(on) (Max) @ Vge, Ic 2.9V @ 15V, 40A Power - Max 577W Switching Energy 2.7mJ (on), 1.6mJ (off) Input Type Standard Gate Charge 87nC Td (on/off) @ 25°C 22ns/177ns Test Condition 600V, 40A, 10 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package TO-247 (IXYH)	Voltage - Collector Emitter Breakdown (Max)	1200V
Vce(on) (Max) @ Vge, Ic 2.9V @ 15V, 40A Power - Max 577W Switching Energy 2.7mJ (on), 1.6mJ (off) Input Type Standard Gate Charge 87nC Td (on/off) @ 25°C 22ns/177ns Test Condition 600V, 40A, 10 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package TO-247 (IXYH)	Current - Collector (Ic) (Max)	96A
Power - Max577WSwitching Energy2.7mJ (on), 1.6mJ (off)Input TypeStandardGate Charge87nCTd (on/off) @ 25°C22ns/177nsTest Condition600V, 40A, 10 Ohm, 15VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseTO-247-3Supplier Device PackageTO-247 (IXYH)	Current - Collector Pulsed (Icm)	200A
Switching Energy 2.7mJ (on), 1.6mJ (off) Input Type Standard 87nC Td (on/off) @ 25°C 22ns/177ns Test Condition 600V, 40A, 10 Ohm, 15V Reverse Recovery Time (trr) Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package TO-247 (IXYH)	Vce(on) (Max) @ Vge, Ic	2.9V @ 15V, 40A
Input Type Standard Gate Charge 87nC Td (on/off) @ 25°C 22ns/177ns Test Condition 600V, 40A, 10 Ohm, 15V Reverse Recovery Time (trr) Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package	Power - Max	577W
Gate Charge 87nC Td (on/off) @ 25°C 22ns/177ns Test Condition 600V, 40A, 10 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package TO-247 (IXYH)	Switching Energy	2.7mJ (on), 1.6mJ (off)
Td (on/off) @ 25°C 22ns/177ns Test Condition 600V, 40A, 10 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package	Input Type	Standard
Test Condition 600V, 40A, 10 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package TO-247 (IXYH)	Gate Charge	87nC
Reverse Recovery Time (trr) Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package TO-247 (IXYH)	Td (on/off) @ 25°C	22ns/177ns
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package TO-247 (IXYH)	Test Condition	600V, 40A, 10 Ohm, 15V
Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package TO-247 (IXYH)	Reverse Recovery Time (trr)	-
Package / Case TO-247-3 Supplier Device Package TO-247 (IXYH)	Operating Temperature	-55°C ~ 175°C (TJ)
Supplier Device Package TO-247 (IXYH)	Mounting Type	Through Hole
	Package / Case	TO-247-3
Report errors?	Supplier Device Package	TO-247 (IXYH)
		Report errors?

IXYH40N120B3 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.

IXYH40N120B3 Payment Methods



















IXYH40N120B3 Shipping Methods













If you have any question about IXYH40N120B3, please do not hesitate to contact us!

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