



IXSA15N120B Information



For Reference Only

Part Number IXSA15N120B

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - IGBTs - Single

Description IGBT 1200V 30A 150W TO263AA

Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB

For the pricing/inventory/lead time, please contact

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.









IXSA15N120B Specifications

Category Discrete Semiconductor Products Transistors - IGBTs - Single Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series - IGBT Type PT Voltage - Collector Emitter Breakdown (Max) 1200V Current - Collector (Ic) (Max) 30A Current - Collector Pulsed (Icm) 60A Vec(on) (Max) @ Vge, Ic 3.4V @ 15V, 15A Power - Max 150W Switching Energy 1.75mJ (off) Input Type Standard Gate Charge 77nC 7d (on/off) @ 25°C 30ns/148ns Reverse Recovery Time (trr) - Operating Temperature Mounting Type Surface Mount		
Category Discrete Semiconductor Products Transistors - IGBTs - Single Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series - IGBT Type PT Voltage - Collector Emitter Breakdown (Max) 1200V Current - Collector (Ic) (Max) 30A Current - Collector Pulsed (Icm) 60A Vce(on) (Max) @ Vge, Ic 3.4V @ 15V, 15A Power - Max 150W Switching Energy 1.75mJ (off) Input Type Standard Gate Charge 57nC 7d (on/off) @ 25°C 30ns/148ns Test Condition 960V, 15A, 10 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature 4-55°C ~ 150°C (TJ) Mounting Type Surface Mount	Manufacturer Part Number	IXSA15N120B
Transistors - IGBTs - Single	Manufacturer	IXYS
Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series - IGBT Type PT Voltage - Collector Emitter Breakdown (Max) 1200V Current - Collector (Ic) (Max) 30A Current - Collector Pulsed (Icm) 60A Vce(on) (Max) @ Vge, Ic 3.4V @ 15V, 15A Power - Max 150W Switching Energy 1.75mJ (off) Input Type Standard Gate Charge 57nC Td (on/off) @ 25°C Td (on/off) @ 25°C Test Condition 960V, 15A, 10 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature 55°C ~ 150°C (TJ) Mounting Type Surface Mount	Category	Discrete Semiconductor Products
Series - IGBT Type PT Voltage - Collector Emitter Breakdown (Max) 1200V Current - Collector (Ic) (Max) 30A Current - Collector Pulsed (Icm) 60A Vce(on) (Max) @ Vge, Ic 3.4V @ 15V, 15A Power - Max 150W Switching Energy 1.75mJ (off) Input Type Standard Gate Charge 57nC Td (on/off) @ 25°C 30ns/148ns Test Condition 960V, 15A, 10 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount		Transistors - IGBTs - Single
IGBT Type Voltage - Collector Emitter Breakdown (Max) 1200V Current - Collector (Ic) (Max) Current - Collector Pulsed (Icm) 60A Vce(on) (Max) @ Vge, Ic 3.4V @ 15V, 15A Power - Max 150W Switching Energy 1.75mJ (off) Input Type Standard Gate Charge 57nC Td (on/off) @ 25°C 30ns/148ns Test Condition 960V, 15A, 10 Ohm, 15V Reverse Recovery Time (trr) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Voltage - Collector Emitter Breakdown (Max) Current - Collector (Ic) (Max) Current - Collector Pulsed (Icm) 60A Vce(on) (Max) @ Vge, Ic 3.4V @ 15V, 15A Power - Max 150W Switching Energy 1.75mJ (off) Input Type Standard Gate Charge 57nC Td (on/off) @ 25°C 30ns/148ns Test Condition 960V, 15A, 10 Ohm, 15V Reverse Recovery Time (trr) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount	Series	-
Current - Collector (Ic) (Max) Current - Collector Pulsed (Icm) 60A Vce(on) (Max) @ Vge, Ic 3.4V @ 15V, 15A Power - Max Switching Energy 1.75mJ (off) Input Type Standard Gate Charge 57nC Td (on/off) @ 25°C 30ns/148ns Test Condition 960V, 15A, 10 Ohm, 15V Reverse Recovery Time (trr) Operating Temperature Mounting Type Surface Mount	IGBT Type	PT
Current - Collector Pulsed (Icm) 60A Vce(on) (Max) @ Vge, Ic 3.4V @ 15V, 15A Power - Max 150W Switching Energy 1.75mJ (off) Input Type Standard Gate Charge 57nC Td (on/off) @ 25°C 30ns/148ns Test Condition 960V, 15A, 10 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount	Voltage - Collector Emitter Breakdown (Max)	1200V
Vce(on) (Max) @ Vge, Ic 3.4V @ 15V, 15A Power - Max 150W Switching Energy 1.75mJ (off) Input Type Standard Gate Charge 57nC Td (on/off) @ 25°C 30ns/148ns Test Condition 960V, 15A, 10 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount	Current - Collector (Ic) (Max)	30A
Power - Max Switching Energy 1.75mJ (off) Input Type Standard Gate Charge 57nC Td (on/off) @ 25°C 30ns/148ns Test Condition 960V, 15A, 10 Ohm, 15V Reverse Recovery Time (trr) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type 1.75mJ (off) Surface Mount	Current - Collector Pulsed (Icm)	60A
Switching Energy 1.75mJ (off) Input Type Standard Gate Charge 57nC Td (on/off) @ 25°C 30ns/148ns Test Condition 960V, 15A, 10 Ohm, 15V Reverse Recovery Time (trr) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount	Vce(on) (Max) @ Vge, Ic	3.4V @ 15V, 15A
Input Type Standard Gate Charge 57nC Td (on/off) @ 25°C 30ns/148ns Test Condition 960V, 15A, 10 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount	Power - Max	150W
Gate Charge 57nC Td (on/off) @ 25°C 30ns/148ns Test Condition 960V, 15A, 10 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount	Switching Energy	1.75mJ (off)
Td (on/off) @ 25° C 30ns/148ns Test Condition 960V, 15A, 10 Ohm, 15V Reverse Recovery Time (trr) - 55^{\circ}C ~ 150° C (TJ) Mounting Type Surface Mount	Input Type	Standard
Test Condition 960V, 15A, 10 Ohm, 15V - Operating Temperature -55°C \sim 150°C (TJ) Mounting Type Surface Mount	Gate Charge	57nC
Reverse Recovery Time (trr) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount	Td (on/off) @ 25°C	30ns/148ns
Operating Temperature $-55^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$ Mounting Type Surface Mount	Test Condition	960V, 15A, 10 Ohm, 15V
Mounting Type Surface Mount	Reverse Recovery Time (trr)	-
	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO 263.3 D2Pak (2 Leads + Tab) TO 263AB	Mounting Type	Surface Mount
16-205-5, D21 ak (2 Leads + 1ab), 16-205Ab	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Supplier Device Package TO-263 AA (IXSA)	Supplier Device Package	TO-263 AA (IXSA)
Report errors?		Report errors?

IXSA15N120B 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.

IXSA15N120B Payment Methods



















IXSA15N120B Shipping Methods













If you have any question about IXSA15N120B, please do not hesitate to contact us!

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