

IKQ120N60TXKSA1

IKQ120N60TXKSA1 Information

www.treipewer.com	Part Number	IKQ120N60TXKSA1	
	Manufacturer	Infineon Technologies	<u>ಕಾಲಲ</u> ಾಂ
	Category	Discrete Semiconductor Products Transistors - IGBTs - Single	
	Description	IGBT 600V 120A CO-PAK TO-247-3	
	Package	TO-247-3	i i de la companya de La companya de la comp
		For the pricing/inventory/lead time, please contact us	
For Reference Only		Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Qu

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.



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IKQ120N60TXKSA1 Specifications

Manufacturer Infineon Technologies Category Discrete Semiconductor Products Transistors - IGBTS - Single Transistors - IGBTS - Single Package TO-247-3 Series Trench Stop? IGBT Type Trench Field Stop Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 160A Current - Collector Pulsed (Icm) 480A Vec(on) (Max) @ Vge, Ic 2V @ 15V, 120A Power - Max 833W Switching Energy Standard Input Type Standard Id (on/off) @ 25°C 50ns/565ns Test Condition 400V, 120A, 3 Ohm, 15V Reverse Recovery Time (trr) 241ns Operating Temperature 40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package FO-247-3-46		
Category Discrete Semiconductor Products Transistors - IGBTS - Single Package TO-247-3 Series TrenchStop? IGBT Type Trench Field Stop Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 160A Current - Collector Pulsed (Icm) 480A Vec(on) (Max) @ Vge, Ic 2V @ 15V, 120A Power - Max 833W Switching Energy 6.2mJ (on), 5.9mJ (off) Input Type Standard Cdarge 703nC Tot - Coldition 400V, 120A, 3 Ohm, 15V Reverse Recovery Time (trr) 241ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-346	Manufacturer Part Number	IKQ120N60TXKSA1
Transistors - IGBTs - SinglePackageTO-247-3SeriesTrenchStop?IGBT TypeTrench Field StopVoltage - Collector Emitter Breakdown (Max)600VCurrent - Collector (Ic) (Max)160ACurrent - Collector Pulsed (Icm)480AVce(on) (Max) @ Vge, Ic2V @ 15V, 120APower - Max833WSwitching Energy6.2mJ (on), 5.9mJ (off)Input TypeStandardGate Charge703nCTd (on/off) @ 25°C50ns/565nsTest Condition400V, 120A, 3 Ohm, 15VReverse Recovery Time (trr)241nsOperating Temperature440°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseTO-247-3Supplier Device PackagePG-TO247-3-46	Manufacturer	Infineon Technologies
PackageTO-247-3SeriesTrenchStop?IGBT TypeTrench Field StopVoltage - Collector Emitter Breakdown (Max)600VCurrent - Collector (Ic) (Max)160ACurrent - Collector Pulsed (Icm)480AVec(on) (Max) @ Vge, Ic2V @ 15V, 120APower - Max833WSwitching Energy6.2mJ (on), 5.9mJ (off)Input TypeStandardGate Charge703nCTd (on/off) @ 25°C50ns/565nsTest Condition400V, 120A, 3 Ohm, 15VReverse Recovery Time (trr)24 InsOperating Temperature-40°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseTO-247-3Supplier Device PackagePG-TO247-3-46	Category	Discrete Semiconductor Products
Series TrenchStop? IGBT Type Trench Field Stop Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Lc) (Max) 160A Current - Collector Pulsed (Icm) 480A Vec(on) (Max) @ Vge, Ic 2V @ 15V, 120A Power - Max 833W Switching Energy 6.2mJ (on), 5.9mJ (off) Input Type Standard Gate Charge 703nC Td (on/off) @ 25°C 50ns/565ns Test Condition 400V, 120A, 3 Ohm, 15V Reverse Recovery Time (trr) 241ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-346		Transistors - IGBTs - Single
IGBT Type Trench Field Stop Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (L) (Max) 160A Current - Collector Pulsed (Icm) 480A Vec(on) (Max) @ Vge, Ic 2V @ 15V, 120A Power - Max 833W Switching Energy 6.2mJ (on), 5.9mJ (off) Input Type Standard Gate Charge 703nC Td (on/off) @ 25°C 50ns/565ns Test Condition 400V, 120A, 3 Ohm, 15V Reverse Recovery Time (trr) 241ns Operating Temperature 440°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package PG-T0247-3-46	Package	TO-247-3
Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 160A Current - Collector Pulsed (Icm) 480A Vec(on) (Max) @ Vge, Ic 2V @ 15V, 120A Power - Max 833W Switching Energy 6.2mJ (on), 5.9mJ (off) Input Type Standard Gate Charge 703nC Td (on/off) @ 25°C 50ns/565ns Test Condition 400V, 120A, 3 Ohm, 15V Reverse Recovery Time (trr) 241ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package PG-T0247-3-46	Series	TrenchStop?
Current - Collector (Ic) (Max) 160A Current - Collector Pulsed (Icm) 480A Vce(on) (Max) @ Vge, Ic 2V @ 15V, 120A Power - Max 833W Switching Energy 6.2mJ (on), 5.9mJ (off) Input Type Standard Gate Charge 703nC Td (on/off) @ 25°C 50ns/565ns Test Condition 400V, 120A, 3 Ohm, 15V Reverse Recovery Time (trr) 241ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package PG-T0247-3-46	IGBT Type	Trench Field Stop
Current - Collector Pulsed (Icm) 480A Vce(on) (Max) @ Vge, Ic 2V @ 15V, 120A Power - Max 833W Switching Energy 6.2mJ (on), 5.9mJ (off) Input Type Standard Gate Charge 703nC Td (on/off) @ 25°C 50ns/565ns Test Condition 400V, 120A, 3 Ohm, 15V Reverse Recovery Time (trr) 241ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-247-3 Supplier Device Package PG-TO247-3-46	Voltage - Collector Emitter Breakdown (Max)	600V
Vce(on) (Max) @ Vge, Ic2V @ 15V, 120APower - Max833WSwitching Energy6.2mJ (on), 5.9mJ (off)Input TypeStandardGate Charge703nCTd (on/off) @ 25°C50ns/565nsTest Condition400V, 120A, 3 Ohm, 15VReverse Recovery Time (trr)241nsOperating Temperature-40°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseTO-247-3Supplier Device PackagePG-T0247-3-46	Current - Collector (Ic) (Max)	160A
Power - Max833WSwitching Energy6.2mJ (on), 5.9mJ (off)Input TypeStandardGate Charge703nCTd (on/off) @ 25°C50ns/565nsTest Condition400V, 120A, 3 Ohm, 15VReverse Recovery Time (trr)241nsOperating Temperature-40°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseTO-247-3Supplier Device PackagePG-TO247-3-46	Current - Collector Pulsed (Icm)	480A
Switching Energy6.2mJ (on), 5.9mJ (off)Input TypeStandardInput Type703nCGate Charge703nSTd (on/off) @ 25°C50ns/565nsTest Condition400V, 120A, 3 Ohm, 15VReverse Recovery Time (trr)241nsOperating Temperature-40°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseTO-247-3Supplier Device PackagePG-T0247-3-46	Vce(on) (Max) @ Vge, Ic	2V @ 15V, 120A
Input TypeStandardGate Charge703nCTd (on/off) @ 25°C50ns/565nsTest Condition400V, 120A, 3 Ohm, 15VReverse Recovery Time (trr)241nsOperating Temperature-40°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseTO-247-3Supplier Device PackagePG-T0247-346	Power - Max	833W
Gate Charge703nCTd (on/off) @ 25°C50ns/565nsTest Condition400V, 120A, 3 Ohm, 15VReverse Recovery Time (trr)241nsOperating Temperature-40°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseTO-247-3Supplier Device PackagePG-TD247-3-46	Switching Energy	6.2mJ (on), 5.9mJ (off)
Td (on/off) @ 25°C50ns/565nsTest Condition400V, 120A, 3 Ohm, 15VReverse Recovery Time (trr)241nsOperating Temperature-40°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseTO-247-3Supplier Device PackagePG-TO247-3-46	Input Type	Standard
Test Condition400V, 120A, 3 Ohm, 15VReverse Recovery Time (trr)241nsOperating Temperature-40°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseTO-247-3Supplier Device PackagePG-TO247-3-46	Gate Charge	703nC
Reverse Recovery Time (trr)241nsOperating Temperature-40°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseTO-247-3Supplier Device PackagePG-TO247-3-46	Td (on/off) @ 25°C	50ns/565ns
Operating Temperature-40°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseTO-247-3Supplier Device PackagePG-TO247-3-46	Test Condition	400V, 120A, 3 Ohm, 15V
Mounting TypeThrough HolePackage / CaseTO-247-3Supplier Device PackagePG-TO247-3-46	Reverse Recovery Time (trr)	241ns
Package / CaseTO-247-3Supplier Device PackagePG-TO247-3-46	Operating Temperature	-40°C ~ 175°C (TJ)
Supplier Device Package PG-TO247-3-46	Mounting Type	Through Hole
	Package / Case	TO-247-3
Report errors?	Supplier Device Package	PG-TO247-3-46
		Report errors?

IKQ120N60TXKSA1 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 BUARANTEE

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

DISCOVER

IKQ120N60TXKSA1 Payment Methods



IKQ120N60TXKSA1 Shipping Methods



If you have any question about IKQ120N60TXKSA1, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com