

IKU04N60RBKMA1

IKU04N60RBKMA1 Information



For Reference Only

Part Number IKU04N60RBKMA1

Manufacturer Infineon Technologies

Category Discrete Semiconductor Products

Transistors - IGBTs - Single

Description IGBT 600V 8A 75W TO251-3

Package TO-251-3 Short Leads, IPak, TO-251AA

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.









IKU04N60RBKMA1 Specifications

Manufacturer Part Number IKU04N60RBKMA1 Manufacturer Infineon Technologies Category Discrete Semiconductor Products Transistors - IGBTs - Single Package TO-251-3 Short Leads, IPak, TO-251AA Series TrenchStop? IGBT Type Trench Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 8A Current - Collector Pulsed (Icm) 12A Vce(on) (Max) @ Vge, Ic 2.1V @ 15V, 4A Power - Max 75W Switching Energy Standard Gate Charge 27nC Td (on/off) @ 25°C 14ns/146ns Test Condition 400V, 4A, 43 Ohm, 15V Reverse Recovery Time (trr) 43ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package PG-TO251-3		
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Series TrenchStop? IGBT Type Trench Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 8A Current - Collector Pulsed (Icm) 12A Vee(on) (Max) @ Vge, Ic 2.1V @ 15V, 4A Power - Max 75W Switching Energy 240μJ Input Type Standard Gate Charge 27nC Td (on/off) @ 25°C 14ns/146ns Test Condition 400V, 4A, 43 Ohm, 15V Reverse Recovery Time (trr) 43ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package PG-TO251-3		Transistors - IGBTs - Single
IGBT TypeTrenchVoltage - Collector Emitter Breakdown (Max)600VCurrent - Collector (Ic) (Max)8ACurrent - Collector Pulsed (Icm)12AVce(on) (Max) @ Vge, Ic2.1V @ 15V, 4APower - Max75WSwitching Energy240μJInput TypeStandardGate Charge27nCTd (on/off) @ 25°C14ns/146nsTest Condition400V, 4A, 43 Ohm, 15VReverse Recovery Time (trr)43nsOperating Temperature-40°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseTO-251-3 Short Leads, IPak, TO-251AASupplier Device PackagePG-TO251-3	Package	TO-251-3 Short Leads, IPak, TO-251AA
Voltage - Collector Emitter Breakdown (Max) Current - Collector (Ic) (Max) Current - Collector Pulsed (Icm) 12A Vce(on) (Max) @ Vge, Ic Power - Max Switching Energy Input Type Standard Gate Charge Td (on/off) @ 25°C Td (on/off) @ 25°C Test Condition Reverse Recovery Time (trr) Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package	Series	TrenchStop?
Current - Collector (Ic) (Max) 8A Current - Collector Pulsed (Icm) 12A Vce(on) (Max) @ Vge, Ic 2.1V @ 15V, 4A Power - Max 75W Switching Energy 240μJ Input Type Standard Gate Charge 27nC Td (on/off) @ 25°C 14ns/146ns Test Condition 400V, 4A, 43 Ohm, 15V Reverse Recovery Time (trr) 43ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package PG-TO251-3	IGBT Type	Trench
Current - Collector Pulsed (Icm) 12A Vce(on) (Max) @ Vge, Ic 2.1V @ 15V, 4A Power - Max 75W Switching Energy 240µJ Input Type Standard Gate Charge 27nC Td (on/off) @ 25°C 14ns/146ns Test Condition 400V, 4A, 43 Ohm, 15V Reverse Recovery Time (trr) 43ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package PG-TO251-3	Voltage - Collector Emitter Breakdown (Max)	600V
Vce(on) (Max) @ Vge, Ic 2.1V @ 15V, 4A Power - Max 75W Switching Energy 240μJ Input Type Standard Gate Charge 27nC Td (on/off) @ 25°C 14ns/146ns Test Condition 400V, 4A, 43 Ohm, 15V Reverse Recovery Time (trr) 43ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package PG-TO251-3	Current - Collector (Ic) (Max)	8A
Power - Max75WSwitching Energy240μJInput TypeStandardGate Charge27nCTd (on/off) @ 25°C14ns/146nsTest Condition400V, 4A, 43 Ohm, 15VReverse Recovery Time (trr)43nsOperating Temperature-40°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseTO-251-3 Short Leads, IPak, TO-251AASupplier Device PackagePG-TO251-3	Current - Collector Pulsed (Icm)	12A
Switching Energy Input Type Standard Gate Charge 27nC Td (on/off) @ 25°C 14ns/146ns Test Condition 400V, 4A, 43 Ohm, 15V Reverse Recovery Time (trr) 43ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package	Vce(on) (Max) @ Vge, Ic	2.1V @ 15V, 4A
Input Type Gate Charge 27nC Td (on/off) @ 25°C 14ns/146ns Test Condition 400V, 4A, 43 Ohm, 15V Reverse Recovery Time (trr) 43ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package	Power - Max	75W
Gate Charge 27nC Td (on/off) @ 25°C 14ns/146ns Test Condition 400V, 4A, 43 Ohm, 15V Reverse Recovery Time (trr) 43ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package	Switching Energy	240μJ
Td (on/off) @ 25°C 14ns/146ns Test Condition 400V, 4A, 43 Ohm, 15V Reverse Recovery Time (trr) 43ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package PG-TO251-3	Input Type	Standard
Test Condition 400V, 4A, 43 Ohm, 15V Reverse Recovery Time (trr) 43ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package PG-TO251-3	Gate Charge	27nC
Reverse Recovery Time (trr) Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package PG-TO251-3	Td (on/off) @ 25°C	14ns/146ns
Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package PG-TO251-3	Test Condition	400V, 4A, 43 Ohm, 15V
Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package PG-TO251-3	Reverse Recovery Time (trr)	43ns
Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package PG-TO251-3	Operating Temperature	-40°C ~ 175°C (TJ)
Supplier Device Package PG-TO251-3	Mounting Type	Through Hole
	Package / Case	TO-251-3 Short Leads, IPak, TO-251AA
Report errors?	Supplier Device Package	PG-TO251-3
		Report errors?

IKU04N60RBKMA1 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.

IKU04N60RBKMA1 Payment Methods



















IKU04N60RBKMA1 Shipping Methods













If you have any question about IKU04N60RBKMA1, please do not hesitate to contact us!

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