

# IKU06N60RBKMA1

### IKU06N60RBKMA1 Information



For Reference Only

**Part Number** IKU06N60RBKMA1 **Manufacturer** Infineon Technologies

Category Discrete Semiconductor Products

Transistors - IGBTs - Single

**Description** IGBT 600V 12A 100W TO251-3

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

For the pricing/inventory/lead time, please contact

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.









## IKU06N60RBKMA1 Specifications

Manufacturer Part Number         IKU06N60RBKMA1           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)         12A           Current - Collector Pulsed (Icm)         18A           Vce(on) (Max) @ Vge, Ic         2.1V @ 15V, 6A           Power - Max         100W           Switching Energy         330µJ           Input Type         Standard           Gate Charge         48nC           Td (on/off) @ 25°C         12ns/127ns           Test Condition         400V, 6A, 23 Ohm, 15V           Reverse Recovery Time (trr)         68ns           Operating Temperature         -           Mounting Type         Through Hole           Package / Case         TO-251-3 Short Leads, IPak, TO-251AA           Supplier Device Package         PG-TO251-3		
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) 12A Current - Collector Pulsed (Icm) 18A Vce(on) (Max) @ Vge, Ic 2.1V @ 15V, 6A Power - Max 100W Switching Energy 330µJ Input Type Standard Gate Charge 48nC Td (on/off) @ 25°C 12ns/127ns Test Condition 400V, 6A, 23 Ohm, 15V Reverse Recovery Time (trr) 68ns Operating Temperature - Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package	Manufacturer Part Number	IKU06N60RBKMA1
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IGBT TypeTrenchVoltage - Collector Emitter Breakdown (Max)600VCurrent - Collector (Ic) (Max)12ACurrent - Collector Pulsed (Icm)18AVce(on) (Max) @ Vge, Ic2.1V @ 15V, 6APower - Max100WSwitching Energy330µJInput TypeStandardGate Charge48nCTd (on/off) @ 25°C12ns/127nsTest Condition400V, 6A, 23 Ohm, 15VReverse Recovery Time (trr)68nsOperating Temperature-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)  18A  Vce(on) (Max) @ Vge, Ic  Power - Max  100W  Switching Energy  1nput Type  Standard  Gate Charge  48nC  Td (on/off) @ 25°C  12ns/127ns  Test Condition  400V, 6A, 23 Ohm, 15V  Reverse Recovery Time (trr)  68ns  Operating Temperature  Mounting Type  Through Hole  Package / Case  TO-251-3 Short Leads, IPak, TO-251AA  Supplier Device Package	Series	TrenchStop?
Current - Collector (Ic) (Max)  Current - Collector Pulsed (Icm)  18A  Vee(on) (Max) @ Vge, Ic  2.1V @ 15V, 6A  Power - Max  100W  Switching Energy  330µJ  Input Type  Standard  Gate Charge  48nC  Td (on/off) @ 25°C  12ns/127ns  Test Condition  400V, 6A, 23 Ohm, 15V  Reverse Recovery Time (trr)  68ns  Operating Temperature  - Mounting Type  Through Hole  Package / Case  TO-251-3 Short Leads, IPak, TO-251AA  Supplier Device Package	IGBT Type	Trench
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Input Type  Gate Charge  48nC  Td (on/off) @ 25°C  12ns/127ns  Test Condition  400V, 6A, 23 Ohm, 15V  Reverse Recovery Time (trr)  68ns  Operating Temperature  - Mounting Type  Through Hole  Package / Case  TO-251-3 Short Leads, IPak, TO-251AA  Supplier Device Package	Power - Max	100W
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Test Condition 400V, 6A, 23 Ohm, 15V  Reverse Recovery Time (trr) 68ns  Operating Temperature -  Mounting Type Through Hole  Package / Case TO-251-3 Short Leads, IPak, TO-251AA  Supplier Device Package PG-TO251-3	Gate Charge	48nC
Reverse Recovery Time (trr)  68ns  Operating Temperature  - 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	12ns/127ns
Operating Temperature -  Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package PG-TO251-3	Test Condition	400V, 6A, 23 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)	68ns
Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package PG-TO251-3	Operating Temperature	-
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?

### IKU06N60RBKMA1 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.

### IKU06N60RBKMA1 Payment Methods



















## IKU06N60RBKMA1 Shipping Methods













If you have any question about IKU06N60RBKMA1, please do not hesitate to contact us!

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