

## **IRG7PH28UD1MPBF**

#### **IRG7PH28UD1MPBF Information**



For Reference Only

Part Number IRG7PH28UD1MPBF Manufacturer Infineon Technologies

Category Discrete Semiconductor Products Transistors - IGBTs - Single

**Description** IGBT 1200V 30A 115W TO247AC

Package TO-247-3

For the pricing/inventory/lead time, please contact

us

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



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# **Certified Quality**

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## **IRG7PH28UD1MPBF Specifications**

Manufacturer Part Number         IRG7PH28UD1MPBF           Manufacturer         Infineon Technologies           Category         Discrete Semiconductor Products           Transistors - IGBTs - Single           Package         TO-247-3           Series         -           IGBT Type         Trench           Voltage - Collector Emitter Breakdown (Max)         1200V           Current - Collector (Lc) (Max)         30A           Current - Collector Pulsed (Icm)         100A           Vec(on) (Max) @ Vge, Ic         2.3V @ 15V, 15A           Power - Max         115W           Switching Energy         543µJ (off)           Input Type         Standard           Gate Charge         90nC           Td (on/off) @ 25°C         -/229ns           Test Condition         600V, 15A, 22 Ohm, 15V           Reverse Recovery Time (trr)         -           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Package / Case         TO-247-3           Supplier Device Package         TO-247AD		
Category         Discrete Semiconductor Products           Package         TO-247-3           Series         -           IGBT Type         Trench           Voltage - Collector Emitter Breakdown (Max)         1200V           Current - Collector (Ic) (Max)         30A           Current - Collector Pulsed (Icm)         100A           Vec(on) (Max) @ Vge, Ic         2.3V @ 15V, 15A           Power - Max         115W           Switching Energy         543µJ (off)           Input Type         Standard           Gate Charge         90nC           Td (on/off) @ 25°C         -/229ns           Test Condition         600V, 15A, 22 Ohm, 15V           Reverse Recovery Time (trr)         -           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Package / Case         TO-247-3           Supplier Device Package         TO-247AD	Manufacturer Part Number	IRG7PH28UD1MPBF
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IGBT TypeTrenchVoltage - Collector Emitter Breakdown (Max)1200VCurrent - Collector (Ic) (Max)30ACurrent - Collector Pulsed (Icm)100AVce(on) (Max) @ Vge, Ic2.3V @ 15V, 15APower - Max115WSwitching Energy543μJ (off)Input TypeStandardGate Charge90nCTd (on/off) @ 25°C-/229nsTest Condition600V, 15A, 22 Ohm, 15VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-247-3Supplier Device PackageTO-247AD	Package	TO-247-3
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Current - Collector (Ic) (Max)  Current - Collector Pulsed (Icm)  Vee(on) (Max) @ Vge, Ic  Power - Max  115W  Switching Energy  543µJ (off)  Input Type  Standard  Gate Charge  700 C  Td (on/off) @ 25°C  7229ns  Test Condition  600V, 15A, 22 Ohm, 15V  Reverse Recovery Time (trr)  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  TO-247-3  Supplier Device Package	IGBT Type	Trench
Current - Collector Pulsed (Icm)  Vce(on) (Max) @ Vge, Ic  2.3V @ 15V, 15A  Power - Max  115W  Switching Energy  543µJ (off)  Input Type  Standard  Gate Charge  90nC  Td (on/off) @ 25°C  -/229ns  Test Condition  600V, 15A, 22 Ohm, 15V  Reverse Recovery Time (trr)  - Operating Temperature  55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  TO-247-3  Supplier Device Package	Voltage - Collector Emitter Breakdown (Max)	1200V
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Input Type  Standard  Gate Charge  90nC  Td (on/off) @ 25°C  7/229ns  Test Condition  600V, 15A, 22 Ohm, 15V  Reverse Recovery Time (trr)  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  TO-247-3  Supplier Device Package	Power - Max	115W
Gate Charge 90nC Td (on/off) @ 25°C -/229ns  Test Condition 600V, 15A, 22 Ohm, 15V  Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Through Hole  Package / Case TO-247-3  Supplier Device Package	Switching Energy	543µJ (off)
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Reverse Recovery Time (trr)  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  TO-247-3  Supplier Device Package  TO-247AD	Td (on/off) @ 25°C	-/229ns
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Mounting TypeThrough HolePackage / CaseTO-247-3Supplier Device PackageTO-247AD	Reverse Recovery Time (trr)	-
Package / Case TO-247-3 Supplier Device Package TO-247AD	Operating Temperature	-55°C ~ 150°C (TJ)
Supplier Device Package TO-247AD	Mounting Type	Through Hole
	Package / Case	TO-247-3
Report errors?	Supplier Device Package	TO-247AD
·		Report errors?

#### **IRG7PH28UD1MPBF 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.

### **IRG7PH28UD1MPBF Payment Methods**



















### **IRG7PH28UD1MPBF Shipping Methods**













If you have any question about IRG7PH28UD1MPBF, please do not hesitate to contact us!

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