

## IRG8P08N120KD-EPBF

#### IRG8P08N120KD-EPBF Information



For Reference Only

Part Number IRG8P08N120KD-EPBF Manufacturer Infineon Technologies

Category Discrete Semiconductor Products Transistors - IGBTs - Single

**Description** IGBT 1200V 15A 89W TO-247AD

Package TO-247-3

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.









# IRG8P08N120KD-EPBF Specifications

Manufacturer Part NumberIRG8P08N120KD-EPBFManufacturerInfineon TechnologiesCategoryDiscrete Semiconductor ProductsTransistors - IGBTs - SinglePackageTO-247-3Series-IGBT Type-Voltage - Collector Emitter Breakdown (Max)1200VCurrent - Collector (Ic) (Max)15ACurrent - Collector Pulsed (Icm)15AVce(on) (Max) @ Vge, Ic2V @ 15V, 5APower - Max89WSwitching Energy300μJ (on), 300μJ (off)Input TypeStandardGate Charge45nCTd (on/off) @ 25°C20ns/160nsTest Condition600V, 5A, 47 Ohm, 15VPower - Recovery Time (trr)50ns		
Category         Discrete Semiconductor Products           Transistors - IGBTs - Single           Package         TO-247-3           Series         -           IGBT Type         -           Voltage - Collector Emitter Breakdown (Max)         1200V           Current - Collector (Ic) (Max)         15A           Current - Collector Pulsed (Icm)         15A           Vce(on) (Max) @ Vge, Ic         2V @ 15V, 5A           Power - Max         89W           Switching Energy         300μJ (on), 300μJ (off)           Input Type         Standard           Gate Charge         45nC           Td (on/off) @ 25°C         20ns/160ns           Test Condition         600V, 5A, 47 Ohm, 15V	anufacturer Part Number	IRG8P08N120KD-EPBF
Transistors - IGBTs - Single         Package       TO-247-3         Series       -         IGBT Type       -         Voltage - Collector Emitter Breakdown (Max)       1200V         Current - Collector (Ic) (Max)       15A         Current - Collector Pulsed (Icm)       15A         Vce(on) (Max) @ Vge, Ic       2V @ 15V, 5A         Power - Max       89W         Switching Energy       300μJ (on), 300μJ (off)         Input Type       Standard         Gate Charge       45nC         Td (on/off) @ 25°C       20ns/160ns         Test Condition       600V, 5A, 47 Ohm, 15V	lanufacturer	Infineon Technologies
Package       TO-247-3         Series       -         IGBT Type       -         Voltage - Collector Emitter Breakdown (Max)       1200V         Current - Collector (Ic) (Max)       15A         Current - Collector Pulsed (Icm)       15A         Vce(on) (Max) @ Vge, Ic       2V @ 15V, 5A         Power - Max       89W         Switching Energy       300μJ (on), 300μJ (off)         Input Type       Standard         Gate Charge       45nC         Td (on/off) @ 25°C       20ns/160ns         Test Condition       600V, 5A, 47 Ohm, 15V	ategory	Discrete Semiconductor Products
Series - IGBT Type Voltage - Collector Emitter Breakdown (Max) 1200V  Current - Collector (Ic) (Max) 15A  Current - Collector Pulsed (Icm) 15A  Vce(on) (Max) @ Vge, Ic 2V @ 15V, 5A  Power - Max 89W  Switching Energy 300µJ (on), 300µJ (off)  Input Type Standard  Gate Charge 45nC  Td (on/off) @ 25°C 20ns/160ns  Test Condition 600V, 5A, 47 Ohm, 15V		Transistors - IGBTs - Single
IGBT Type  Voltage - Collector Emitter Breakdown (Max)  Current - Collector (Ic) (Max)  Current - Collector Pulsed (Icm)  15A  Vce(on) (Max) @ Vge, Ic  Power - Max  Switching Energy  Switching Energy  Input Type  Standard  Gate Charge  Td (on/off) @ 25°C  Test Condition	ackage	TO-247-3
Voltage - Collector Emitter Breakdown (Max)  Current - Collector (Ic) (Max)  Current - Collector Pulsed (Icm)  15A  Vce(on) (Max) @ Vge, Ic  2V @ 15V, 5A  Power - Max  89W  Switching Energy  300µJ (on), 300µJ (off)  Input Type  Standard  Gate Charge  45nC  Td (on/off) @ 25°C  Test Condition  1200V  15A  15A  2V @ 15V, 5A  89W  Sundard  45nC  20ns/160ns  600V, 5A, 47 Ohm, 15V	eries	-
Current - Collector (Ic) (Max)       15A         Current - Collector Pulsed (Icm)       15A         Vce(on) (Max) @ Vge, Ic       2V @ 15V, 5A         Power - Max       89W         Switching Energy       300μJ (on), 300μJ (off)         Input Type       Standard         Gate Charge       45nC         Td (on/off) @ 25°C       20ns/160ns         Test Condition       600V, 5A, 47 Ohm, 15V	BT Type	-
Current - Collector Pulsed (Icm)       15A         Vce(on) (Max) @ Vge, Ic       2V @ 15V, 5A         Power - Max       89W         Switching Energy       300μJ (on), 300μJ (off)         Input Type       Standard         Gate Charge       45nC         Td (on/off) @ 25°C       20ns/160ns         Test Condition       600V, 5A, 47 Ohm, 15V	oltage - Collector Emitter Breakdown (Max)	1200V
Vce(on) (Max) @ Vge, Ic       2V @ 15V, 5A         Power - Max       89W         Switching Energy       300μJ (on), 300μJ (off)         Input Type       Standard         Gate Charge       45nC         Td (on/off) @ 25°C       20ns/160ns         Test Condition       600V, 5A, 47 Ohm, 15V	urrent - Collector (Ic) (Max)	15A
Power - Max       89W         Switching Energy       300μJ (on), 300μJ (off)         Input Type       Standard         Gate Charge       45nC         Td (on/off) @ 25°C       20ns/160ns         Test Condition       600V, 5A, 47 Ohm, 15V	urrent - Collector Pulsed (Icm)	15A
Switching Energy       300μJ (on), 300μJ (off)         Input Type       Standard         Gate Charge       45nC         Td (on/off) @ 25°C       20ns/160ns         Test Condition       600V, 5A, 47 Ohm, 15V	ce(on) (Max) @ Vge, Ic	2V @ 15V, 5A
Input Type Standard Gate Charge 45nC Td (on/off) @ 25°C 20ns/160ns Test Condition 600V, 5A, 47 Ohm, 15V	ower - Max	89W
Gate Charge       45nC         Td (on/off) @ 25°C       20ns/160ns         Test Condition       600V, 5A, 47 Ohm, 15V	witching Energy	300μJ (on), 300μJ (off)
Td (on/off) @ 25°C       20ns/160ns         Test Condition       600V, 5A, 47 Ohm, 15V	put Type	Standard
Test Condition 600V, 5A, 47 Ohm, 15V	ate Charge	45nC
	d (on/off) @ 25°C	20ns/160ns
Payarsa Pacovary Time (trr) 50ns	est Condition	600V, 5A, 47 Ohm, 15V
Reverse Recovery Time (u1)	everse Recovery Time (trr)	50ns
Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$	perating Temperature	-40°C ~ 150°C (TJ)
Mounting Type Through Hole	ounting Type	Through Hole
Package / Case TO-247-3	ackage / Case	TO-247-3
Supplier Device Package TO-247AD	applier Device Package	TO-247AD
Report error		Report errors?

#### IRG8P08N120KD-EPBF Guarantees



#### **Ouality 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.

### IRG8P08N120KD-EPBF Payment Methods



















## IRG8P08N120KD-EPBF Shipping Methods













If you have any question about IRG8P08N120KD-EPBF, please do not hesitate to contact us!

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