

IRG4RC10SPBF

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IRG4RC10SPBF Information

| | Part Number | IRG4RC10SPBF |
|---------------------|--------------|---|
| syret helsener cort | Manufacturer | Infineon Technologies |
| | Category | Discrete Semiconductor Products Transistors - IGBTs - Single |
| | Description | IGBT 600V 14A 38W DPAK |
| | Package | TO-252-3, DPak (2 Leads + Tab), SC-63 |
| | | For the pricing/inventory/lead time, please contact |
| For Reference Only | | us Website: https://www.heisener.com E-mail: salesdept@heisener.com |

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.



IRG4RC10SPBF Specifications

| Manufacturer Part NumberIRG4RC10SPBFManufacturer AInfineon TechnologiesCategoryDiscrete Semiconductor Products Transistors - IGBTs - SinglePackageTO-252-3, DPak (2 Leads + Tab), SC-63Series-IGBT Type-Voltage - Collector Emitter Breakdown (Max)600VCurrent - Collector (Le) (Max)14ACurrent - Collector Pulsed (tem)18AVec(on) (Max) @ Vge, Ic18V @ 15V, 8ASwitching EnergyJanuardJuput TypeSandardGate Charge15nCId (on/off) @ 25°C5ns/630nsTest Coldition480V, 8A, 100 Ohm, 15VRevers Recovery Time (trr)-Operating Temperature-Operating TypeSurface MountMounting TypeSurface MountSurface MountSurface MountSurface MountSurface MountSurface MountDepakSupplier Device PackageD-Pak | | |
|--|---|---------------------------------------|
| CategoryDiscrete Semiconductor Products Transistors - IGBTs - SinglePackageTO-252-3, DPak (2 Leads + Tab), SC-63Series-IGBT Type-Voltage - Collector Emitter Breakdown (Max)600VCurrent - Collector (Lc) (Max)14ACurrent - Collector Pulsed (Icm)18AVec(on) (Max) @ Vge, Ic1.8V @ 15V, 8APower - Max38WSwitching Energy140µJ (on), 2.58mJ (off)Input TypeStandardGate Charge15nCTd (on/off) @ 25°C25ns/630nsTest Condition480V, 8A, 100 Ohm, 15VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageD-Pak | Manufacturer Part Number | IRG4RC10SPBF |
| Transistors - IGBTs - SinglePackageTO-252-3, DPak (2 Leads + Tab), SC-63Series-IGBT Type-Voltage - Collector Emitter Breakdown (Max)600VCurrent - Collector I(c) (Max)14ACurrent - Collector Pulsed (Icm)18AVec(on) (Max) @ Vge, Ic1.8V @ 15V, 8APower - Max38WSwitching Energy140µJ (on), 2.58mJ (off)Input TypeStandardGate Charge15nCTd (on/off) @ 25°C25ns/630nsTest Condition480V, 8A, 100 Ohm, 15VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageD-Pak | Manufacturer | Infineon Technologies |
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| Series-IGBT Type-Voltage - Collector Emitter Breakdown (Max)600VCurrent - Collector (L) (Max)14ACurrent - Collector Pulsed (Icm)18AVec(on) (Max) @ Vge, Ic1.8V @ 15V, 8APower - Max38WSwitching Energy140µl (on), 2.58mJ (off)Input TypeStandardGate Charge15nCTd (on/off) @ 25°C25ns/630nsTest Condition480V, 8A, 100 Ohm, 15VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseD-Pak | | Transistors - IGBTs - Single |
| IGBT Type-Voltage - Collector Emitter Breakdown (Max)600VCurrent - Collector (Lc) (Max)14ACurrent - Collector Pulsed (Icm)18AVec(on) (Max) @ Vge, Ic1.8V @ 15V, 8APower - Max38WSwitching Energy140µl (on), 2.58mJ (off)Input TypeStandardGate Charge15nCTd (on/off) @ 25°C25ns/630nsTest Condition480V, 8A, 100 Ohm, 15VReverse Recovery Time (trr)-Operating Temperature55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseD-pakSupplier Device PackageD-pak | Package | TO-252-3, DPak (2 Leads + Tab), SC-63 |
| Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Lo) (Max) 14A Current - Collector Pulsed (Icm) 18A Vec(on) (Max) @ Vge, Ic 1.8V @ 15V, 8A Power - Max 38W Switching Energy 140µJ (on), 2.58mJ (off) Input Type Standard Gate Charge 15nC Td (on/off) @ 25°C 25ns/630ns Test Condition 480V, 8A, 100 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -S5°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case Devak Supplier Device Package D-Pak | Series | - |
| Current - Collector (Ic) (Max) 14A Current - Collector Pulsed (Icm) 18A Vce(on) (Max) @ Vge, Ic 1.8V @ 15V, 8A Power - Max 38W Switching Energy 140µJ (on), 2.58mJ (off) Input Type Standard Gate Charge 15nC Td (on/off) @ 25°C 25ns/630ns Test Condition 480V, 8A, 100 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak | IGBT Type | - |
| Current - Collector Pulsed (Icm)18AVce(on) (Max) @ Vge, Ic1.8V @ 15V, 8APower - Max38WSwitching Energy140µJ (on), 2.58mJ (off)Input TypeStandardGate Charge15nCTd (on/off) @ 25°C25ns/630nsTest Condition480V, 8A, 100 Ohm, 15VReverse Recovery Time (trr)-Operating TemperatureSurface MountMounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageD-Pak | Voltage - Collector Emitter Breakdown (Max) | 600V |
| Vce(on) (Max) @ Vge, Ic 1.8V @ 15V, 8A Power - Max 38W Switching Energy 140μJ (on), 2.58mJ (off) Input Type Standard Gate Charge 15nC Td (on/off) @ 25°C 25ns/630ns Test Condition 480V, 8A, 100 Ohm, 15V Reverse Recovery Time (trr) - Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak | Current - Collector (Ic) (Max) | 14A |
| Power - Max38WSwitching Energy140μJ (on), 2.58mJ (off)Input TypeStandardGate Charge15nCTd (on/off) @ 25°C25ns/630nsTest Condition480V, 8A, 100 Ohm, 15VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageD-Pak | Current - Collector Pulsed (Icm) | 18A |
| Switching Energy140µJ (on), 2.58mJ (off)Input TypeStandardGate Charge15nCTd (on/off) @ 25°C25ns/630nsTest Condition480V, 8A, 100 Ohm, 15VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageD-Pak | Vce(on) (Max) @ Vge, Ic | 1.8V @ 15V, 8A |
| Input TypeStandardInput TypeStandardGate Charge15nCTd (on/off) @ 25°C25ns/630nsTest Condition480V, 8A, 100 Ohm, 15VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageD-Pak | Power - Max | 38W |
| Free StreeExerciseGate Charge15nCTd (on/off) @ 25°C25ns/630nsTest Condition480V, 8A, 100 Ohm, 15VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageD-Pak | Switching Energy | 140µJ (on), 2.58mJ (off) |
| Td (on/off) @ 25°C25ns/630nsTest Condition480V, 8A, 100 Ohm, 15VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageD-Pak | Input Type | Standard |
| Test Condition480V, 8A, 100 Ohm, 15VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageD-Pak | Gate Charge | 15nC |
| Reverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageD-Pak | Td (on/off) @ 25°C | 25ns/630ns |
| Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageD-Pak | Test Condition | 480V, 8A, 100 Ohm, 15V |
| Mounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageD-Pak | Reverse Recovery Time (trr) | - |
| Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageD-Pak | Operating Temperature | -55°C ~ 150°C (TJ) |
| Supplier Device Package D-Pak | Mounting Type | Surface Mount |
| | Package / Case | TO-252-3, DPak (2 Leads + Tab), SC-63 |
| Report errors? | Supplier Device Package | D-Pak |
| | | Report errors? |

IRG4RC10SPBF 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 ELARANTEE

Service Guarantees

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

IRG4RC10SPBF Payment Methods





If you have any question about IRG4RC10SPBF, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com