

# IXBF9N160G

Request a Quote

### **IXBF9N160G Information**

|                    | Part Number  | IXBF9N160G  |
|--------------------|--------------|---|
| Heisener.com       | Manufacturer | IXYS  |
|                    | Category     | Discrete Semiconductor Products<br>Transistors - IGBTs - Single           |
|                    | Description  | IGBT 1600V 7A 70W I4PAC   |
|                    | Package      | i4-Pac?-5 (3 leads)   |
|                    |              | For the pricing/inventory/lead time, please contact                       |
| For Reference Only |              | us<br>Website: https://www.heisener.com<br>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.



### **IXBF9N160G Specifications**

| ManufacturerKYSCategoryDiscrete Semiconductor ProductsTransitors - IGBTs - SinglePackagei4-Pac?-5 (3 leads)SeriesBIMOSFET?IGBT Type-Voltage - Collector Emitter Breakdown (Max)1600VCurrent - Collector (Ic) (Max)7ACurrent - Collector Pulsed (Icm)-Vec(on) (Max) @ Vge, le7V @ 15V, 5APower - Max70WSwitching Energy-Input TypeStandardGate Charge34nCTd (on/off) @ 25°C-Totset Condition960V, 5A, 27 Ohm, 10VReverse Recovery Time (trr)-Operating Temperature-Mounting TypeStrole ConditionMounting TypeItrough HolePackage / CaseisOPLUS i4-PAC?Supplier Device PackageIsOPLUS i4-PAC? | -   |                                 |
|---|---|---------------------------------|
| CategoryDiscrete Semiconductor Products<br>Transistors - IGBTs - SinglePackagei4-Pac?-5 (3 leads)SeriesBIMOSFET?IGBT Type-Voltage - Collector Emitter Breakdown (Max)1600VCurrent - Collector (Ic) (Max)7ACurrent - Collector Pulsed (Icm)7V @ 15V, 5AVec(on) (Max) @ Vge, Ic7V @ 15V, 5APower - Max70WSwitching Energy-Input TypeSandardGate Charge34nCT (on/off) @ 25°C-Test Condition960V, 5A, 27 Ohm, 10VReverse Recovery Time (trr)-Operating Temperature-Mounting Type-Package / CaseIsopLUS i4-PAC?Supplier Device PackageIsopLUS i4-PAC?  | Manufacturer Part Number                    | IXBF9N160G                      |
| Transistors - IGBTs - SinglePackagei4-Pac?-5 (3 leads)SeriesBIMOSFET?IGBT Type-Voltage - Collector Emitter Breakdown (Max)1600VCurrent - Collector (Ic) (Max)7ACurrent - Collector Pulsed (Icm)-Vec(n) (Max) @ Vge, Ic7V @ 15V, 5APower - Max70WSwitching Energy-Input TypeStandardGate Charge34nCTd (on/off) @ 25°C-Test Condition960V, 5A, 27 Ohm, 10VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Casei4-Pac?-5 (3 leads)Supplier Device PackageISOPLUS i4-PAC?   | Manufacturer                                | IXYS                            |
| Packagei4-Pac?-5 (3 leads)SeriesBIMOSFET?IGBT Type-Voltage - Collector Emitter Breakdown (Max)1600VCurrent - Collector (Lc) (Max)7ACurrent - Collector Pulsed (Icm)-Vec(on) (Max) @ Vge, Ic7V @ 15V, 5APower - Max70WSwitching Energy-Input TypeStandardGate Charge34nCTd (on/off) @ 25°C-Test Condition960V, 5A, 27 Ohm, 10VReverse Recovery Time (trr)-Operating Temperature-Mounting TypeStandardMounting TypeThrough HolePackage / Casei-Pac?e, 5 (3 leads)Supplier Device PackageISOPLUS i4-PAC?   | Category                                    | Discrete Semiconductor Products |
| SeriesBIMOSFET?IGBT Type-Voltage - Collector Emitter Breakdown (Max)1600VCurrent - Collector (L) (Max)7ACurrent - Collector Pulsed (Icm)-Vce(on) (Max) @ Vge, Ic7V @ 15V, 5APower - Max70WSwitching Energy-Input TypeStandardGate Charge34nCTd (on/off) @ 25°C-Test Condition960V, 5A, 27 Ohm, 10VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Caseid-Pac? 53 leads)Supplier Device PackageISOPLUS id-PAC?   |   | Transistors - IGBTs - Single    |
| IGBT Type-Voltage - Collector Emitter Breakdown (Max)1600VCurrent - Collector (L) (Max)7ACurrent - Collector Pulsed (Icm)-Vec(on (Max) @ Vge, Ic7V @ 15V, 5APower - Max70WSwitching Energy-Input TypeStandardGate Charge34nCTo (no/off) @ 25°C960V, 5A, 27 Ohm, 10VTest Condition-Reverse Recovery Time (trr)-Operating Type-55°C ~ 150°C (TJ)Mounting TypeInough HolePackage / Casei-Pace2, 63 leads)Supplier Device PackageIsope Lase (Server)  | Package                                     | i4-Pac?-5 (3 leads)             |
| Voltage - Collector Emitter Breakdown (Max) 1600V   Current - Collector (Lo) (Max) 7A   Current - Collector Pulsed (Icm) -   Vce(on) (Max) @ Vge, Ic 7V @ 15V, 5A   Power - Max 70W   Switching Energy -   Input Type Standard   Gate Charge 34nC   Td (on/off) @ 25°C -   Test Condition 960V, 5A, 27 Ohm, 10V   Reverse Recovery Time (trr) -   Operating Temperature -   Mounting Type 155°C ~ 150°C (TJ)   Pokage / Case Ithrough Hole   Supplier Device Package Ithrough Hole  | Series                                      | BIMOSFET?                       |
| Current - Collector (Ic) (Max) 7A   Current - Collector Pulsed (Icm) -   Vce(on) (Max) @ Vge, Ic 7V @ 15V, 5A   Power - Max 70W   Switching Energy -   Input Type Standard   Gate Charge 34nC   Td (on/off) @ 25°C -   Test Condition 960V, 5A, 27 Ohm, 10V   Reverse Recovery Time (trr) -   Operating Temperature -55°C ~ 150°C (TJ)   Mounting Type Through Hole   Package / Case i4-Pac?-5 (3 leads)   Supplier Device Package ISOPLUS i4-PAC?  | IGBT Type                                   | -                               |
| Current - Collector Pulsed (Icm)-Vce(on) (Max) @ Vge, Ic7V @ 15V, 5APower - Max70WSwitching Energy-Input TypeStandardGate Charge34nCTd (on/off) @ 25°C-Test Condition960V, 5A, 27 Ohm, 10VReverse Recovery Time (trr)-Operating Temperature-5°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Casei4-Pac?-5 (3 leads)Supplier Device PackageISOPLUS i4-PAC?  | Voltage - Collector Emitter Breakdown (Max) | 1600V                           |
| Vce(on) (Max) @ Vge, Ic7V @ 15V, 5APower - Max70WSwitching Energy-Input TypeStandardGate Charge34nCTd (on/off) @ 25°C-Test Condition960V, 5A, 27 Ohm, 10VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Casei4-Pac?-5 (3 leads)Supplier Device PackageISOPLUS i4-PAC?  | Current - Collector (Ic) (Max)              | 7A                              |
| Power - Max70WSwitching Energy-Input TypeStandardGate Charge34nCTd (on/off) @ 25°C-Test Condition960V, 5A, 27 Ohm, 10VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Casei4-Pac?-5 (3 leads)Supplier Device PackageISOPLUS i4-PAC?   | Current - Collector Pulsed (Icm)            | -                               |
| Switching Energy-Input TypeStandardInput TypeStandardGate Charge34nCTd (on/off) @ 25°C-Test Condition960V, 5A, 27 Ohm, 10VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Casei4-Pac?-5 (3 leads)Supplier Device PackageISOPLUS i4-PAC?   | Vce(on) (Max) @ Vge, Ic                     | 7V @ 15V, 5A                    |
| Input TypeStandardInput TypeStandardGate Charge34nCTd (on/off) @ 25°C-Test Condition960V, 5A, 27 Ohm, 10VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Casei4-Pac?-5 (3 leads)Supplier Device PackageISOPLUS i4-PAC?  | Power - Max                                 | 70W                             |
| Gate Charge34nCTd (on/off) @ 25°C-Test Condition960V, 5A, 27 Ohm, 10VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Casei4-Pac?-5 (3 leads)Supplier Device PackageISOPLUS i4-PAC?  | Switching Energy                            | -                               |
| Td (on/off) @ 25°C-Test Condition960V, 5A, 27 Ohm, 10VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Casei4-Pac?-5 (3 leads)Supplier Device PackageISOPLUS i4-PAC?   | Input Type                                  | Standard                        |
| Test Condition960V, 5A, 27 Ohm, 10VReverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Casei4-Pac?-5 (3 leads)Supplier Device PackageISOPLUS i4-PAC?  | Gate Charge                                 | 34nC                            |
| Reverse Recovery Time (trr)-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Casei4-Pac?-5 (3 leads)Supplier Device PackageISOPLUS i4-PAC?   | Td (on/off) @ 25°C                          | -                               |
| Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Casei4-Pac?-5 (3 leads)Supplier Device PackageISOPLUS i4-PAC?   | Test Condition                              | 960V, 5A, 27 Ohm, 10V           |
| Mounting TypeThrough HolePackage / Casei4-Pac?-5 (3 leads)Supplier Device PackageISOPLUS i4-PAC?  | Reverse Recovery Time (trr)                 | -                               |
| Package / Casei4-Pac?-5 (3 leads)Supplier Device PackageISOPLUS i4-PAC?   | Operating Temperature                       | -55°C ~ 150°C (TJ)              |
| Supplier Device Package ISOPLUS i4-PAC?   | Mounting Type                               | Through Hole                    |
|   | Package / Case                              | i4-Pac?-5 (3 leads)             |
| Report errors?  | Supplier Device Package                     | ISOPLUS i4-PAC?                 |
|   |   | Report errors?                  |

#### **IXBF9N160G 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.

#### **IXBF9N160G** Payment Methods





If you have any question about IXBF9N160G, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com