



#### **GHIS030A120S-A1 Information**



For Reference Only

Part Number GHIS030A120S-A1

Manufacturer Global Power Technologies Group

Category Discrete Semiconductor Products
Transistors - IGBTs - Modules

**Description** IGBT BOOST CHOP 1200V 60A SOT227

Package SOT-227-4, miniBLOC

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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# **GHIS030A120S-A1 Specifications**

| Manufacturer Part NumberGHIS030A120S-A1ManufacturerGlobal Power Technologies GroupCategoryDiscrete Semiconductor ProductsPackageSOT-227-4, miniBLOCSeries-IGBT TypeTrench Field StopConfigurationSingleVoltage - Collector Emitter Breakdown (Max)1200VCurrent - Collector (Ic) (Max)60APower - Max-Vce(on) (Max) @ Vge, Ic2.5V @ 15V, 30ACurrent - Collector Cutoff (Max)ImAInput Capacitance (Cies) @ Vce4nF @ 30VInputStandardNTC ThermistorNoOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeChassis MountPackage / CaseSOT-227-4, miniBLOCSupplier Device PackageSOT-227 |   |                                 |
|---|---|---------------------------------|
| Category Discrete Semiconductor Products Transistors - IGBTs - Modules  Package SOT-227-4, miniBLOC Series - IGBT Type Trench Field Stop Configuration Single Voltage - Collector Emitter Breakdown (Max) 1200V Current - Collector (Ic) (Max) Fower - Max - Vce(on) (Max) @ Vge, Ic Current - Collector Cutoff (Max) Input Capacitance (Cies) @ Vce Input NTC Thermistor No Operating Temperature No Operating Type Chassis Mount Package / Case SOT-227-4, miniBLOC   | Manufacturer Part Number                    | GHIS030A120S-A1                 |
| Package SOT-227-4, miniBLOC Series - IGBT Type Trench Field Stop Configuration Single Voltage - Collector Emitter Breakdown (Max) 1200V Current - Collector (Ic) (Max) 60A Power - Max - Vce(on) (Max) @ Vge, Ic 2.5V @ 15V, 30A Current - Collector Cutoff (Max) ImA Input Capacitance (Cies) @ Vce 4nF @ 30V Input NTC Thermistor No Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Package / Case SOT-227-4, miniBLOC  | Manufacturer                                | Global Power Technologies Group |
| Package SOT-227-4, miniBLOC  Series - IGBT Type Trench Field Stop  Configuration Single  Voltage - Collector Emitter Breakdown (Max) 1200V  Current - Collector (Ic) (Max) 60A  Power - Max - Vce(on) (Max) @ Vge, Ic 2.5V @ 15V, 30A  Current - Collector Cutoff (Max) 1mA  Input Capacitance (Cies) @ Vce 4nF @ 30V  Input Standard  NTC Thermistor No  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Chassis Mount  Package / Case SOT-227-4, miniBLOC   | Category                                    | Discrete Semiconductor Products |
| Series - GIGBT Type Trench Field Stop Trench Field Stop Single  Voltage - Collector Emitter Breakdown (Max) 1200V  Current - Collector (Ic) (Max) 60A  Power - Max - Vce(on) (Max) @ Vge, Ic 2.5V @ 15V, 30A  Current - Collector Cutoff (Max) 1mA  Input Capacitance (Cies) @ Vce 4nF @ 30V  Input Standard  NTC Thermistor No  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Chassis Mount  Package / Case SOT-227-4, miniBLOC  |   | Transistors - IGBTs - Modules   |
| IGBT Type Configuration Single Voltage - Collector Emitter Breakdown (Max) 1200V Current - Collector (Ic) (Max) 60A Power - Max - Vce(on) (Max) @ Vge, Ic 2.5V @ 15V, 30A Current - Collector Cutoff (Max) ImA Input Capacitance (Cies) @ Vce 4nF @ 30V Input Standard NTC Thermistor No Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Package / Case SOT-227-4, miniBLOC  | Package                                     | SOT-227-4, miniBLOC             |
| Configuration  Voltage - Collector Emitter Breakdown (Max)  1200V  Current - Collector (Ic) (Max)  60A  Power - Max  -  Vce(on) (Max) @ Vge, Ic  2.5V @ 15V, 30A  Current - Collector Cutoff (Max)  Input Capacitance (Cies) @ Vce  4nF @ 30V  Input  NTC Thermistor  No  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Chassis Mount  Package / Case  SOT-227-4, miniBLOC  | Series                                      | -                               |
| Voltage - Collector Emitter Breakdown (Max)  Current - Collector (Ic) (Max)  Power - Max  -  Vce(on) (Max) @ Vge, Ic  Current - Collector Cutoff (Max)  Input Capacitance (Cies) @ Vce  Input  NTC Thermistor  Operating Temperature  Package / Case  12.5V @ 15V, 30A  1mA  1mA  4nF @ 30V  Standard  No  Operating Temperature  -55°C ~ 150°C (TJ)  Chassis Mount  Package / Case   | IGBT Type                                   | Trench Field Stop               |
| Current - Collector (Ic) (Max) 60A  Power - Max -  Vce(on) (Max) @ Vge, Ic 2.5V @ 15V, 30A  Current - Collector Cutoff (Max) 1mA  Input Capacitance (Cies) @ Vce 4nF @ 30V  Input Standard  NTC Thermistor No  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Chassis Mount  Package / Case SOT-227-4, miniBLOC  | Configuration                               | Single                          |
| Power - Max  Vce(on) (Max) @ Vge, Ic  Current - Collector Cutoff (Max)  Input Capacitance (Cies) @ Vce  Input  Standard  NTC Thermistor  No  Operating Temperature  Operating Type  Chassis Mount  Package / Case   | Voltage - Collector Emitter Breakdown (Max) | 1200V                           |
| Vce(on) (Max) @ Vge, Ic2.5V @ 15V, 30ACurrent - Collector Cutoff (Max)1mAInput Capacitance (Cies) @ Vce4nF @ 30VInputStandardNTC ThermistorNoOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeChassis MountPackage / CaseSOT-227-4, miniBLOC   | Current - Collector (Ic) (Max)              | 60A                             |
| Current - Collector Cutoff (Max)  Input Capacitance (Cies) @ Vce  Input  Standard  NTC Thermistor  No  Operating Temperature  Operating Type  Chassis Mount  Package / Case  ImA  4nF @ 30V  Standard  No  Chassis Mount  Sort-227-4, miniBLOC  | Power - Max                                 | -                               |
| Input Capacitance (Cies) @ Vce 4nF @ 30V  Input Standard  NTC Thermistor No  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Chassis Mount  Package / Case SOT-227-4, miniBLOC  | Vce(on) (Max) @ Vge, Ic                     | 2.5V @ 15V, 30A                 |
| Input Standard  NTC Thermistor No  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Chassis Mount  Package / Case SOT-227-4, miniBLOC  | Current - Collector Cutoff (Max)            | 1mA                             |
| NTC Thermistor  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Chassis Mount  Package / Case  SOT-227-4, miniBLOC  | Input Capacitance (Cies) @ Vce              | 4nF @ 30V                       |
| Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Chassis Mount  Package / Case  SOT-227-4, miniBLOC  | Input                                       | Standard                        |
| Mounting Type Chassis Mount Package / Case SOT-227-4, miniBLOC  | NTC Thermistor                              | No                              |
| Package / Case SOT-227-4, miniBLOC  | Operating Temperature                       | -55°C ~ 150°C (TJ)              |
|   | Mounting Type                               | Chassis Mount                   |
| Supplier Device Package SOT-227   | Package / Case                              | SOT-227-4, miniBLOC             |
|   | Supplier Device Package                     | SOT-227                         |
| Report errors?  |   | Report errors?                  |

#### **GHIS030A120S-A1 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.

## **GHIS030A120S-A1 Payment Methods**



















### **GHIS030A120S-A1 Shipping Methods**













If you have any question about GHIS030A120S-A1, please do not hesitate to contact us!

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