

**STGW40N120KD Information**


For Reference Only

**Part Number** [STGW40N120KD](#)  
**Manufacturer** STMicroelectronics  
**Category** Discrete Semiconductor Products  
[Transistors - IGBTs - Single](#)  
**Description** IGBT 1200V 80A 240W TO247  
**Package** TO-247-3  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto: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.


**STGW40N120KD Specifications**

|   |   |
|---|---|
| Manufacturer Part Number                    | <a href="#">STGW40N120KD</a>  |
| Manufacturer                                | STMicroelectronics  |
| Category                                    | Discrete Semiconductor Products<br><a href="#">Transistors - IGBTs - Single</a> |
| Package                                     | TO-247-3  |
| Series                                      | PowerMESH?  |
| IGBT Type                                   | -   |
| Voltage - Collector Emitter Breakdown (Max) | 1200V   |
| Current - Collector (Ic) (Max)              | 80A   |
| Current - Collector Pulsed (Icm)            | 120A  |
| Vce(on) (Max) @ Vge, Ic                     | 3.85V @ 15V, 30A  |
| Power - Max                                 | 240W  |
| Switching Energy                            | 3.7mJ (on), 5.7mJ (off)   |
| Input Type                                  | Standard  |
| Gate Charge                                 | 126nC   |
| Td (on/off) @ 25°C                          | 48ns/338ns  |
| Test Condition                              | 960V, 30A, 10 Ohm, 15V  |
| Reverse Recovery Time (trr)                 | 84ns  |
| Operating Temperature                       | -55°C ~ 125°C (TJ)  |
| Mounting Type                               | Through Hole  |
| Package / Case                              | TO-247-3  |
| Supplier Device Package                     | TO-247-3  |
| <a href="#">Report errors?</a>              |   |

## STGW40N120KD 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.

## STGW40N120KD Payment Methods



## STGW40N120KD Shipping Methods



If you have any question about STGW40N120KD, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)