

**STGD18N40LZ-1 Information**


For Reference Only

**Part Number** [STGD18N40LZ-1](#)  
**Manufacturer** STMicroelectronics  
**Category** Discrete Semiconductor Products  
[Transistors - IGBTs - Single](#)  
**Description** IGBT 420V 25A 125W IPAK  
**Package** TO-251-3 Short Leads, IPak, TO-251AA  
 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.


**STGD18N40LZ-1 Specifications**

Manufacturer Part Number	<a href="#">STGD18N40LZ-1</a>
Manufacturer	STMicroelectronics
Category	Discrete Semiconductor Products <a href="#">Transistors - IGBTs - Single</a>
Package	TO-251-3 Short Leads, IPak, TO-251AA
Series	PowerMESH?
IGBT Type	-
Voltage - Collector Emitter Breakdown (Max)	420V
Current - Collector (Ic) (Max)	25A
Current - Collector Pulsed (Icm)	40A
Vce(on) (Max) @ Vge, Ic	1.7V @ 4.5V, 10A
Power - Max	125W
Switching Energy	-
Input Type	Logic
Gate Charge	29nC
Td (on/off) @ 25°C	650ns/13.5µs
Test Condition	300V, 10A, 5V
Reverse Recovery Time (trr)	-
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Through Hole
Package / Case	TO-251-3 Short Leads, IPak, TO-251AA
Supplier Device Package	I-Pak
<a href="#">Report errors?</a>	

## STGD18N40LZ-1 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.

## STGD18N40LZ-1 Payment Methods



## STGD18N40LZ-1 Shipping Methods



If you have any question about STGD18N40LZ-1, please do not hesitate to contact us!

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