

STGWA40H65DFB Information


For Reference Only

Part Number [STGWA40H65DFB](#)
Manufacturer STMicroelectronics
Category Discrete Semiconductor Products
[Transistors - IGBTs - Single](#)
Description IGBT TRENCH 650V 80A TO247
Package TO-247-3
 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

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.


STGWA40H65DFB Specifications

Manufacturer Part Number	STGWA40H65DFB
Manufacturer	STMicroelectronics
Category	Discrete Semiconductor Products Transistors - IGBTs - Single
Package	TO-247-3
Series	HB
IGBT Type	Trench Field Stop
Voltage - Collector Emitter Breakdown (Max)	650V
Current - Collector (Ic) (Max)	80A
Current - Collector Pulsed (Icm)	160A
Vce(on) (Max) @ Vge, Ic	2V @ 15V, 40A
Power - Max	283W
Switching Energy	498µJ (on), 363µJ (off)
Input Type	Standard
Gate Charge	210nC
Td (on/off) @ 25°C	40ns/142ns
Test Condition	400V, 40A, 5 Ohm, 15V
Reverse Recovery Time (trr)	62ns
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Through Hole
Package / Case	TO-247-3
Supplier Device Package	TO-247 Long Leads

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STGWA40H65DFB 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.

STGWA40H65DFB Payment Methods



STGWA40H65DFB Shipping Methods



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