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STGWA40H65DFB **Manufacturer Part Number:** STGWA40H65DFB **Manufacturer/Brand:** STMicroelectronics **Part of Description:** IGBT TRENCH 650V 80A TO247 STGWA40H65DFB.pdf **Datasheets:** RoHS Lead free / RoHS **RoHs Status:** Compliant **Stock Condition:** New original, Stock Available. **Ship From:** Hong Kong **Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Specifications	
Part Number	STGWA40H65DFB
Manufacturer	STMicroelectronics
Description	IGBT TRENCH 650V 80A TO247
Category	Discrete Semiconductor Products > Transistors - IGBTs -
Part Status	Require For Quote & Check Stock
Voltage - Collector Emitter Breakdown (Max)	650V
Vce(on) (Max) @ Vge, Ic	2V @ 15V, 40A
Test Condition	400V, 40A, 5 Ohm, 15V
Td (on/off) @ 25°C	40ns/142ns
Switching Energy	498µJ (on), 363µJ (off)
Supplier Device Package	TO-247 Long Leads
Series	HB
Reverse Recovery Time (trr)	62ns
Power - Max	283W
Package / Case	TO-247-3
Operating Temperature	-55°C ∼ 175°C (TJ)
Mounting Type	Through Hole
Moisture Sensitivity Level (MSL)	1 (Unlimited)
Manufacturer Standard Lead Time	42 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Input Type	Standard
IGBT Type	Trench Field Stop
Gate Charge	210nC
Detailed_Description	IGBT Trench Field Stop 650V 80A 283W Through Hole
Current - Collector Pulsed (Icm)	160A

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