

## Product Portfolio



### Released

Part Number	Vds (V) min	Rds(on)eff (mΩ) typ	Rds(on)eff (mΩ) max	Id (25°C) (A) max	Package	Package Variation
TP65H035G4WS	650	35	41	46.5	TO-247	Source
TP65H035WSQA	650	35	41	47	TO-247	Source
TP65H035WS	650	35	41	46.5	TO-247	Source
TP65H050WSQA	650	50	60	36	TO-247	Source
TP65H050WS	650	50	60	36	TO-247	Source
TP65H070LSG	650	72	85	25	PQFN88	Source
TP65H070LDG	650	72	85	25	PQFN88	Drain
TPH3212PS	650	72	85	27	TO-220	Source
TPH3208PS	650	110	130	20	TO-220	Source
TP65H150LSG	650	150	180	15	PQFN88	Source
TPH3206PSB	650	150	180	16	TO-220	Source
TP65H300G4LSG	650	240	312	6.5	PQFN88	Source
TP90H050WS	900	50	63	34	TO-247	Source
TP90H180PS	900	170	205	15	TO-220	Source



### Sampling

Part Number	Vds (V) min	Rds(on)eff (mΩ) typ	Rds(on)eff (mΩ) max	Id (25°C) (A) max	Package	Package Variation
TP65H015G5WS*	650	15	18	95	TO-247	Source
TP65H050BS**	650	50	60	34	TO-263	Source
TP65H480G4JSG***	650	480	560	3.6	PQFN56	Source

\* Release Date: Q2, 2021  
 \*\* Release Date: Q3, 2021  
 \*\*\* Release Date: End of October, 2020

### GaN Value Proposition

**99%** Efficiency  
**40%** Higher Power Density  
**20%** Lower System Cost

**Need for Speed**  
 GaN operates at higher frequencies with up to 4x faster switching, lower crossover losses, and increased system efficiency

**Feel the Power**  
 GaN in a totem-pole configuration lowers component count and EMI filter size to deliver the same power in a smaller footprint

**Smaller, Lighter, Cooler**  
 Higher efficiency and increased power density means lower overall system cost

### Transphorm Value Proposition



#### In production with Tier 1 customers with ramping volumes

- Adoption in high-voltage consumer; computing (Gaming, Crypto-mining, AI); and, infrastructure and IT segments

#### Best-in-class quality and reliability

- Only JEDEC and AEC-Q101 qualified 650V device(s) available on the market

#### Comprehensive product portfolio

- 3rd generation of products now in the market and ramping

#### Manufacturing structure in place to support long-term demand

- Fujitsu foundry relationship for high volume and quality production

#### Long-term product, package, and automotive roadmap in place