

Main Specifications of the New MOSFETs:

(Unless otherwise specified, Ta=25 °C)

Part Number	Polarity	Absolute Maximum Ratings		Drain-source On-resistance $R_{DS(ON)}$ max (m Ω)		Total Gate Charge Q_g typ. (nC)	Output Charge Q_{oss} typ. (nC)	Gate Switch Charge Q_{sw} typ. (nC)	Input Capacitance C_{iss} typ. (pF)	Package
		Drain-source Voltage V_{DSS} (V)	Drain Current (DC) I_D (A) @ $T_c = 25^\circ\text{C}$	@ $V_{GS} = 10\text{ V}$	@ $V_{GS} = 4.5\text{ V}$					
TPH6R30ANL	N-ch	100	45	6.3	10.3	55	46	14	3300	SOP
TPH4R10ANL			70	4.1	6.6	75	74	21	4850	Advance

Main Features

- Supports 4.5V logic level drive
- Industry's leading-class^[1] products supporting low on-resistance and high-speed performance

Notes

[1] In the category of products with the same ratings, as of January 11, 2017. Toshiba survey.

[2] $R_{DS(ON)}$: Drain-source on-resistance

Q_{sw} : Gate switch charge