

(Unless otherwise specified, $T_a=25^{\circ}\text{C}$)

Part number		TPD2015FN	TPD2017FN	
Package		SSOP30		
Absolute maximum ratings	Supply voltage V_{DD} (V)	-0.3 to 40.0	-0.3 to 6.0	
	Input voltage V_{IN} (V)	-0.3 to 6.0		
	V_{DDx} - O_{UTx} withstand voltage V_{DSS} (V)	50.0	–	
	Output withstand voltage V_{OUT} (V)	–	50.0	
	Output current I_{OUT} (A)	Internally limited		
	Power dissipation P_D (W)	1.8		
	Operating temperature T_{opr} ($^{\circ}\text{C}$)	-40 to 110		
	Junction temperature T_j ($^{\circ}\text{C}$)	150		
	Storage temperature T_{stg} ($^{\circ}\text{C}$)	-55 to 150		
Operating ranges	Operating supply voltage $V_{DD(opr)}$ (V)	@ $T_j=25^{\circ}\text{C}$	8 to 40	2.7 to 5.5
Electrical characteristics	On resistance $R_{DS(ON)}$ typ. (Ω)	@ $V_{DD}=12\text{V}$ (TPD2015FN) / 5V (TPD2017FN), , $V_{IN}=5\text{V}$, $I_{OUT}=0.5\text{A}$, $T_j=25^{\circ}\text{C}$	0.40	
Number of outputs		8		
Protection functions		Thermal shutdown Overcurrent shutdown		
Sample Check & Availability		Buy Online	Buy Online	