

Main Specifications

(@T_a=25 °C)

Part number		TLP3407SR	TLP3406SRH	TLP3406SRL	TLP3407SRH	TLP3407SRL	TLP3412SRH
			[5]	[5]	[5]	[5]	[5]
Package		S-VSON4T					
Absolute maximum ratings	OFF-state output terminal voltage V _{OFF} (V)	60	30	30	60	60	60
	ON-state current I _{ON} (A)	1	1.5	1.5	1	1	0.4
	ON-state current (pulsed) I _{ONP} (A)	3	4.5	4.5	3	3	1.2
Recommended operating conditions	Applied input forward voltage V _{IN} (typ.) (V)	3.3	3.3	1.8	3.3	1.8	3.3
Electrical characteristics	Limited LED current I _{LIM(LED)} max (mA) @ V _{IN}	1 (@3.3 V)	—	—	—	—	—
	Trigger LED current I _{FT} max (mA)	0.2	—	—	—	—	—
	Operating voltage V _{FON} max (V)	3	3	1.6	3	1.6	3
	ON-state resistance R _{ON} max (Ω)	0.3	0.2	0.2	0.3	0.3	1.5
	Output capacitance C _{OFF} typ. (pF)	80	120	120	80	80	max 20
	OFF-state current I _{OFF} max (nA) @ V _{OFF}	1 (@50V)	1 (@20V)	1 (@20V)	1 (@50V)	1 (@50V)	1 (@50V)
Switching characteristics	Turn-on time t _{ON} max (ms)	20	2	2	2	1	0.5
	Turn-off time t _{OFF} max (ms)	1	0.2	0.2	0.2	0.2	0.2

