



XL3906
Thermal Characteristics

Parameter	Symbol	Value	Unit
Isolation Voltage *2	V _{ISO}	3750	Vrms
Operating Temperature	T _{OPR}	-55 ~ +110	°C
Storage Temperature Range	T _{STG}	-55 ~ +125	°C
Soldering Temperature *3	T _{SOL}	260	°C

Notes

Electrical Characteristics (@ T_A = 25°C unless otherwise specified)

Parameter		Symbol	Test Condition	Min.	Typ.	Max.	Unit
Input	Forward Voltage	V _F	I _F = 10mA	-	1.3	1.4	V
	Peak Forward Voltage	V _{FM}	I _{FM} = 0.5A	-	-	3.0	V
	Reverse Current	I _R	V _R = 3V	-	-	10	μA
	Input Capacitance	C _{in}	V _R = 0V, f = 1kHz	-	30	-	pF
Output	Trigger LED current	I _{FT}	V _{OC} >5V	-	-	3	mA
	Open voltage	V _{OC}	I _F = 10mA,	7	9	-	V
	Short-circuit current	I _{SC}	I _F = 10mA,	12	-	-	μA
	Turn on time	T _{on}	I _F = 10mA, C _L = 1000 pF	-	0.1	1	ms
	Turn off time	T _{off}		-	0.03	1	ms





