XINGLIGHT®

Photo transistor

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

[redacted]

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