UV Sensor Probe

GUVx-T1xGC-I8LW5

Genuine UV Technology

Features Water Environment (<10 bar) Single Supply Voltage, 4-20㎃ Current Output

Applications UV Power Measure UV Lamp Monitoring

LW5 Probe (Socket : 8A PT tab SUS)

Connection Cable (IP67, 5m)

Fig1. UV Sensor Probe

Case dimensions

Thread/Length for Mounting	Diameter (㎜)	Window (㎜)	Wrench Size (㎜)	Length (㎜)	Weight (g)	Body (stainless steel)
PT1/4 "/12 ㎜	21	7	19	63	67	316L (1.4404)

Absolute Maximum Ratings

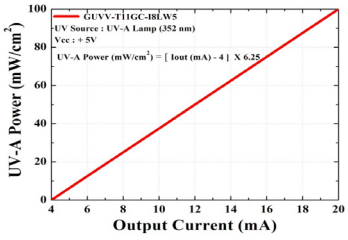
Parameter	Symbol	Min.	Typ.	Max.	Unit	Remark
Storage Temperature	T_{st}	-40		90	℃	
Operating Temperature	T_{op}	-30		85	℃	

Electro-Optical Characteristics (at 25 ℃)

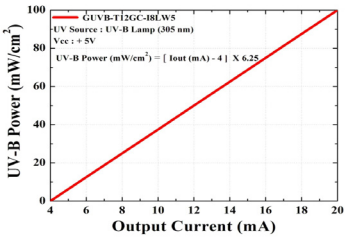
Parameter		Symbol	Min.	Typ.	Max.	Unit	Remark
Supply Voltage		V_{cc}	9		24	V	DC
Offset Current		I_{off}	3.9	4	4.1	㎃	
Detection Range	GUVV-T11GC-I8LW5	λ	230		395	nm	10% of Max.
	GUVB-T12GC-I8LW5	λ	220		320	nm	10% of Max.
	GUVC-T11GC-I8LW5	λ	220		280	nm	10% of Max.
Output Current		I_{out}	4		20	㎃	
Detection Power Range		P	0		100	㎽/㎠	
Response Time		T		10		㎳	

* Maximum of detection power : 20 ㎽/㎠ (Option), 100 ㎽/㎠ (Standard), 1000 ㎽/㎠ (Option)

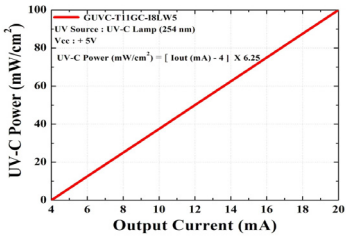
Output Current along UV power



GUVV-T11GC-I8LW5



GUVB-T12GC-I8LW5



GUVC-T11GC-I8LW5

UV Power (㎽/㎠) = [Iout (㎃)-4] × 6.25

* Cover thread with teflon tape or ceramo paste before turning in. Please also use a sealing ring behind thread.