



**QPHOTONICS, LLC**

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<b>MODEL</b>	QPDI-1000
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**Electrical / optical characteristics (SM, T=25°C)**

Parameter	Min.	Typ.	Max.	Unit	Test conditions
Diameter		1		nm	
Responsivity	0.9	1		A/W	$\lambda=1550\text{nm}$ , VR=5V
Back reflection		-60		dB	$\lambda=1550\text{nm}$
Dark current		1	2	nA	VR=5V
Shunt resistance		60		Mohm	VR=±0.01V
Capacitance		100	400	pF	F=1MHz
Maximum measured optical power	8	10		dBm	$\lambda=1550\text{nm}$ ,

**Absolute maximal ratings**

Reverse voltage,		40		V	
Reverse current,		40		mA	
Operating temperature,	-40		80	C	
Storage temperature,	-40		100	C	

UNIT:mm

