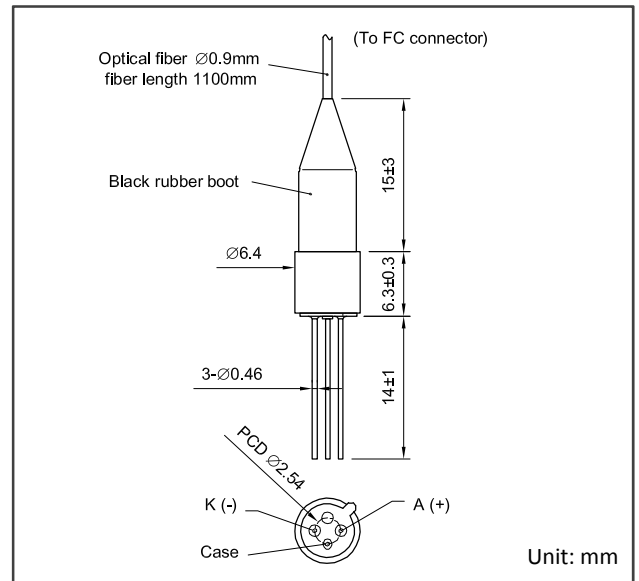


Features

- Conversion of 1300-1600nm laser light into electric power
- Up to 3V-20mA output
- Single mode fiber pigtailed
- Complete electrical isolation

Applications

- Remote powered equipments
- Electro-magnetic sensitive antenna



Absolute Maximum Ratings

Parameter	Symbol	Value	Unit	Note
Maximum optical input power	$P_i(\max)$	200	mW	
Output current	I_{OUT}	± 30	mA	
Operating temperature	T_{opr}	-40 to +70	°C	Avoid dew condensation
Storage temperature	T_{stg}	-40 to +85	°C	Avoid dew condensation

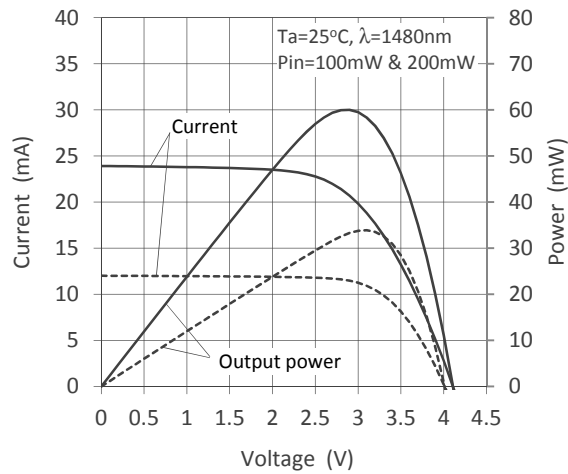
Electrical and Optical Characteristics (Ta=25°C unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Maximum output power	P_{max}	30	34	-	mW	$\lambda=1480\text{nm}$ $P_{in}=100\text{mW}$
Open circuit voltage	V_{OC}	-	4	-	V	
Short circuit current	I_{SC}	-	12	-	mA	
Conversion efficiency	η	30	34	-	%	
Operating wavelength	λ_{op}	1300	-	1600	nm	

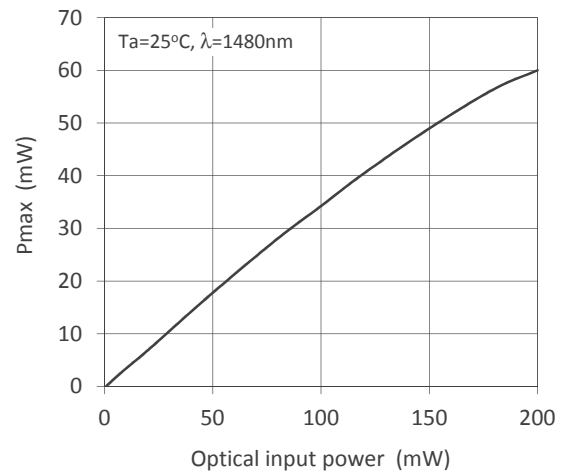
Pigtail specifications

Parameter	Specification	Unit	Note
Optical fiber type	Single mode fiber	-	$\phi 0.9\text{mm}$
Optical fiber length	1100 ± 100	mm	
Optical connector	FC	-	AdPC polished

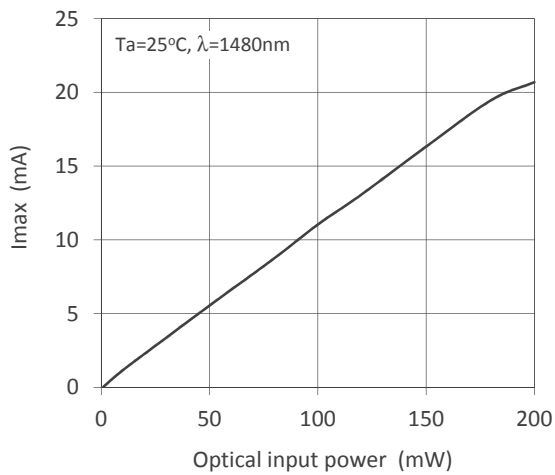
Current, Output Power - Voltage



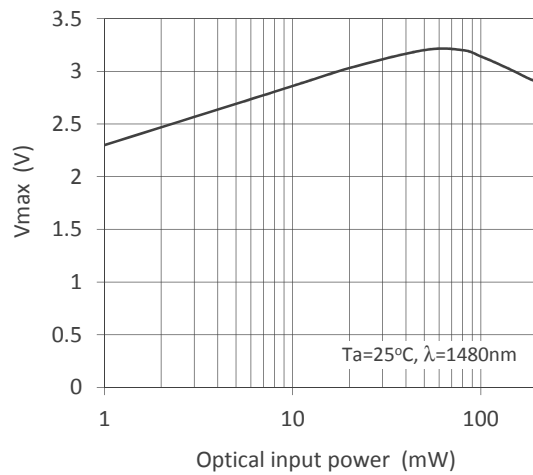
Pmax - Optical Input Power



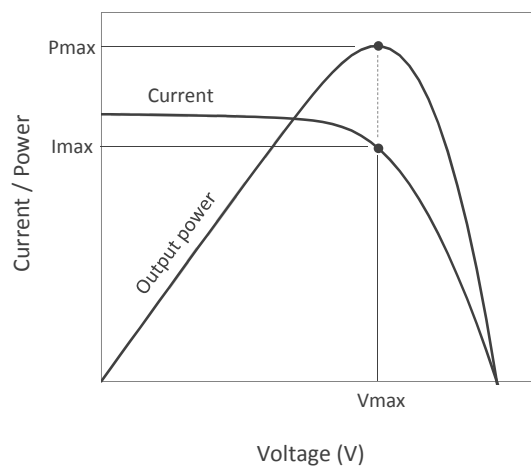
Imax - Optical Input Power



Vmax - Optical Input Power



Definition of Pmax, Imax and Vmax



- Specifications , characteristics, data, materials, structures specified in this datasheet are subject to change without notice. Please refer to the latest specification before use of the products.
- Products listed in this datasheet comply with the RoHS Directive (EU2002/95/EC).

Opto-technologies for the Future



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