

## KPC8-T

### Features

- Conversion of 1300-1500nm laser light into electrical power
- Up to 3V-20mA output
- Single mode fiber pigtailed
- Complete electrical isolation

### Applications

- Remote powered equipment
- Electro-magnetic sensitive antenna

### 规格

#### 最大额定值

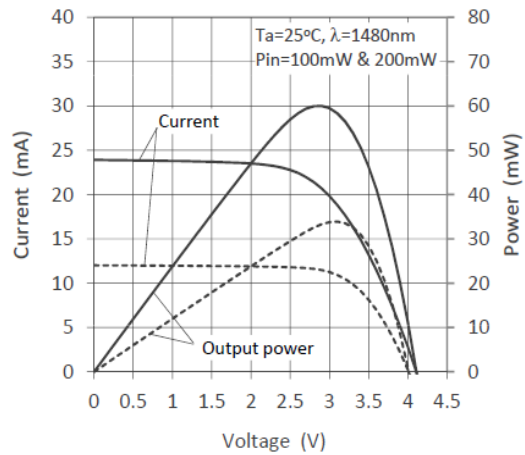
项目	符号	额定值	单位	备注
最大光输入功率	$P_{imax}$	200	mW	
Output current	$I_{out}$	+/-30	mA	
工作温度	$T_{opr}$	-40 to +70	°C	Avoid dew condensation
存储温度	$T_{stg}$	-40 to +85	°C	Avoid dew condensation

#### 电子和光学特性

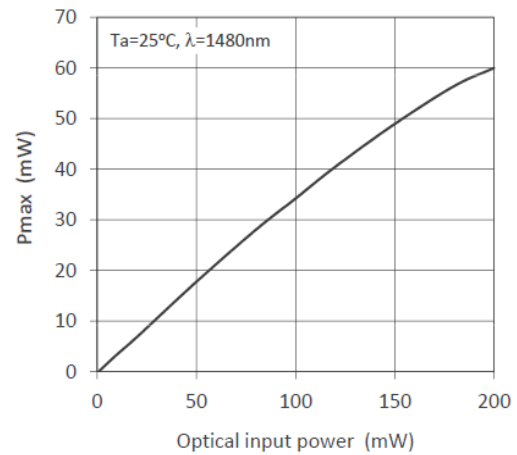
项目	符号	特征值			单位	条件
		最小	Typ.	最大		
光接收直径	D		(SMF)		$\mu\text{m}$	
检测波长	$\lambda$	1300		1600	nm	
Maximum output power	$P_{max}$	30	34		mW	$\lambda_p=1480\text{nm}$ , $P_{in}=100\text{mW}$
Open circuit voltage	$V_{op}$		4[V]		mV	$\lambda_p=1480\text{nm}$ , $P_{in}=100\text{mW}$
短路电流	$I_{sh}$		12[mA]		$\mu\text{A}$	$\lambda_p=1480\text{nm}$ , $P_{in}=100\text{mW}$
Conversion efficiency	$\eta$	30	34		%	$\lambda_p=1480\text{nm}$ , $P_{in}=100\text{mW}$

Operating wavelength	$\lambda_{op}$	1300	1600	nm
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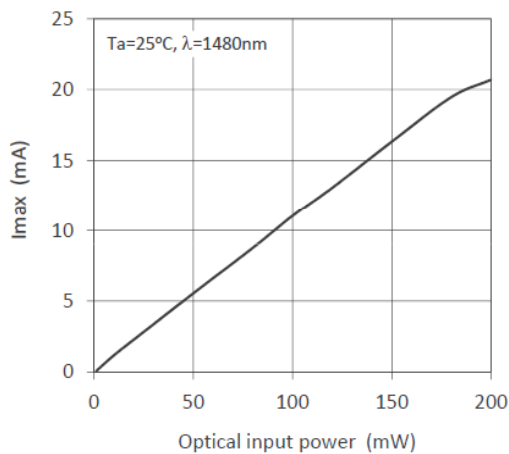
**Current, Output Power - Voltage**



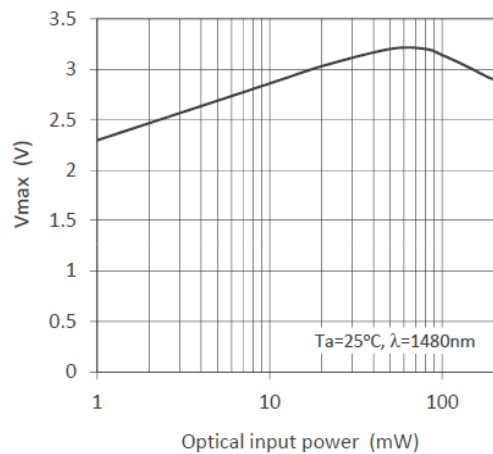
**Pmax - Optical Input Power**



**I<sub>max</sub> - Optical Input Power**



**V<sub>max</sub> - Optical Input Power**



**Definition of P<sub>max</sub>, I<sub>max</sub> and V<sub>max</sub>**

