

2600nm 1000um PD with single stage TEC TO-can datasheet

P/N: WET5-1000B

FEATURES:

High responsivity

Low dark current

900-2600nm Spectral range

APPLICATIONS:

CO Gas sensor

Optical sensor

Optical power meter

Response specturm testing

Electrical-Optical Characteristics(T=25°C)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Active diameter	D	-	995	1000	1005	um
Responsivity	R	Vr=0V,@2300 nm	0.9	1.0	-	A/W
Dark current	ID	Vr=-0.5V	-	-	50	uA
Spectral range	λ	-	900	2330	2600	nm
Capactiance	C	Vr=0V, f=1MHz		440	1000	PF

ABSOLUTE MAXIMUM RATING

Parameter	Symbol	Unit	Min.	Max.
Operating temperature	TSTG	°C	-40	85
Storage temperature	TC	°C	-40	85
Soldering temperature(time)	TL	°C		260/10sec

Thermal & TEC Parameters

Parameter	Symbol	Test Conditions	Min	Typ	Max.	Unit
Thermistor Resistance	Rt	T=25 °C	-	10	-	kΩ
Thermistor B Constant	B	T=25 °C	-	3950	-	K
TEC Current	Ic	-40~120 °C	-	-	2	A
TEC Voltage	Vc	-40~120 °C	-	-	2.5	V

Pin Connection Type & Outline Drawings

