

# アバランシェPD

## Avalanche Photo Diode

### アバランシェフォトダイオード/PD-615

Avalanche Photo Diode/PD-615

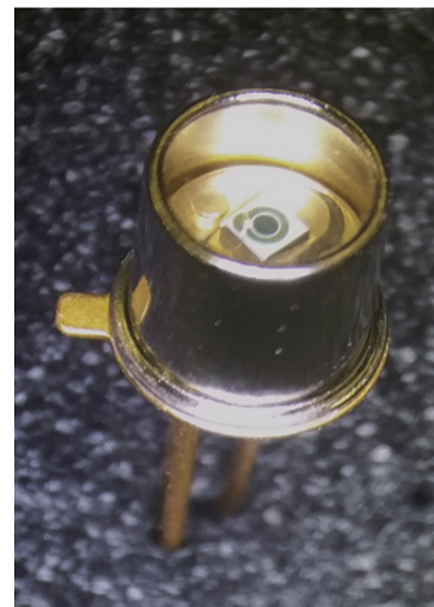


#### 用途 Applications

- 微弱光計測機器 Faint light measurement equipment
- 分析機器 Analytical equipment      ■ 産業機器 Industrial equipment
- 測距機器 Distance measurement equipment

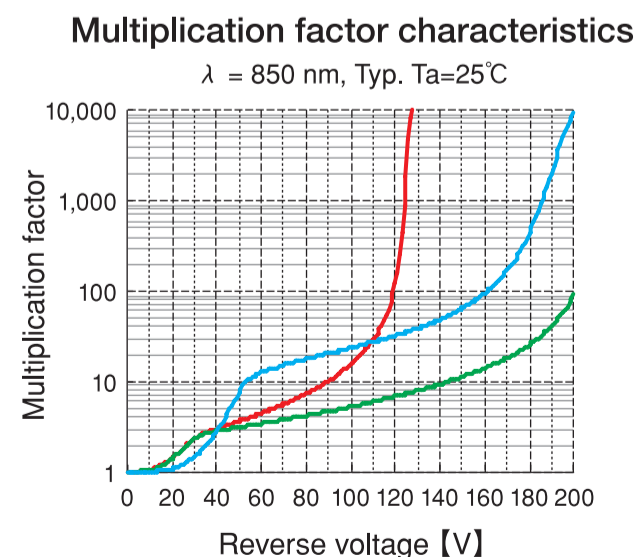
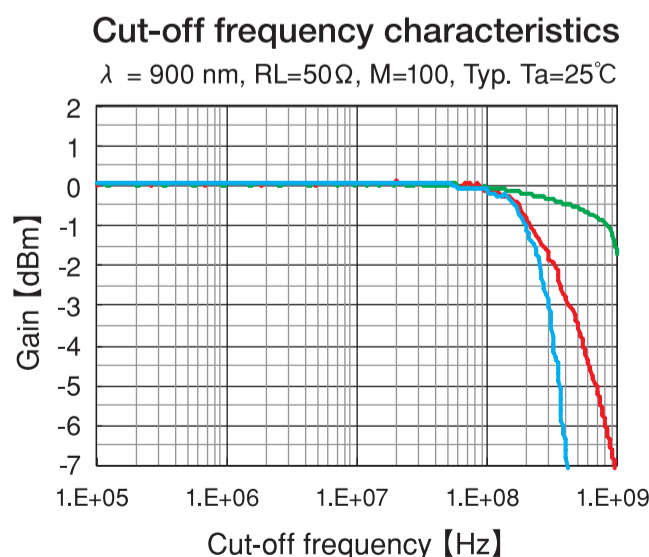
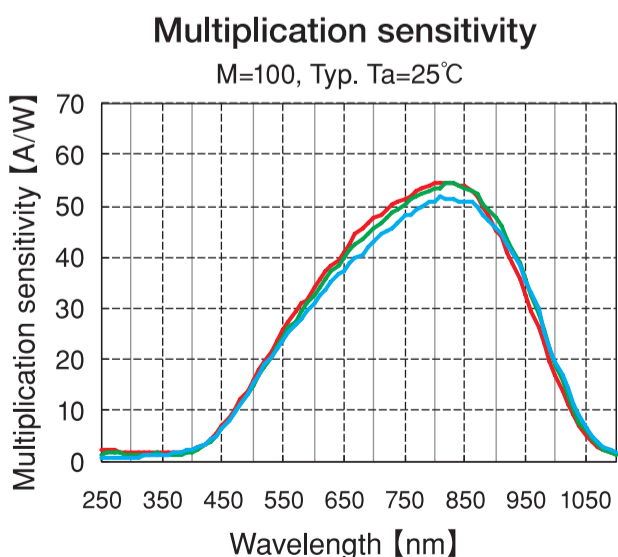
#### 特長 Features

- 低温度係数 Low temperature coefficient
- 高速 High speed
- 低容量・低暗電流 Low capacitance・Low dark current



#### 電気的光学的特性 Electro-optical characteristics

Parameter	symbol	Condition	Product type			Unit.
			Low temperature coefficient	High speed	Low capacitance Low dark current	
Dark current	$I_d$	VR (M=100)	0.5	0.2	0.1	nA
Spectral sensitivity	$\lambda$	-	450~1050			nm
Peak spectral sensitivity	$\lambda_p$	-	810	830	830	nm
Sensitivity	S	$\lambda_p$ (M=100)	50	50	50	A/W
Operation voltage	Vop	M=100	120	200	160	V
Temperature coefficient of operation voltage	-	M=100	0.25	0.5	1.25	V/°C
Cut-off frequency	Fc	$\lambda=900\text{nm}$ (M=100)	400	900	300	MHz
Terminal capacitance	Ct	M=100	2	2	1	pF



— Low temperature coefficient      — High speed      — Low capacitance+ Low dark current