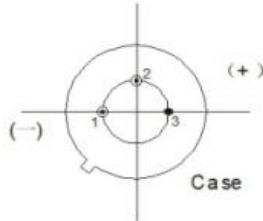
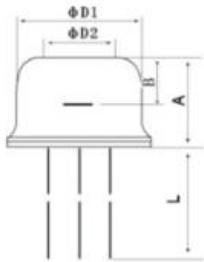
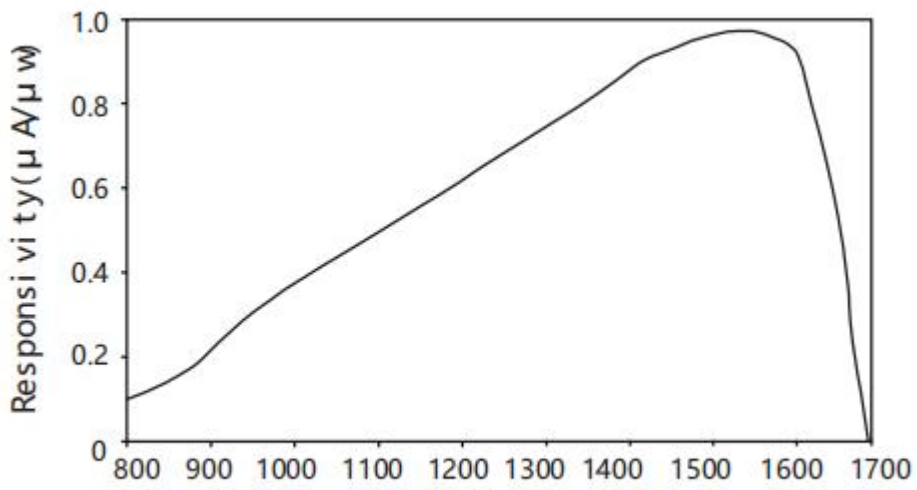


特性参数 Parameter	符号 Symbol	测试条件 Test Condition	最小 Min.	典型 Typ.	最大 Max.	单位 Unit
光谱响应范围 Response Spectrum	λ	—	1200 ~ 1600			nm
响应度 Responsivity	Re	$\lambda=1550\text{nm}$ $P_{in}=1\mu\text{W}$, $M=1$	0.90	1.05	—	A/W
倍增因子 Multiplication factor	M	$\lambda=1550\text{nm}$ $P_{in}=1\mu\text{W}$, $V_R=V_{BR}-2V$	10.00	—	—	—
暗电流 Dark Current	I_D	$V_R=V_{BR}-2V$, $P_{in}=0\mu\text{W}$	—	16.00	50.00	nA
-3dB 截止频率 -3dB cut-off frequency	BW	$M=10$ $R_L=50\Omega$	2.50	—	—	GHz
反向击穿电压 Reverse Breakdown Voltage	V_{BR}	$I_R=10\mu\text{A}$, $P_{in}=0\mu\text{W}$	40.00	—	50.00	V
电容 Capacitance	C	$V_R=V_{BR}-2V$, $f=1\text{MHz}$	—	0.38	0.50	pF
击穿电压温度系数 Temperature coefficient of V_{BR}	γ	$I_R=10\mu\text{A}$, $P_{in}=0\mu\text{W}$ $-55^\circ\text{C} \sim +85^\circ\text{C}$	0.03	0.08	0.13	V/°C



Symbol	Min	Typ	Max	Units
$\Phi D1$	4.65	4.70	4.80	mm
A	3.15	3.25	3.4	mm
B	1.47	1.5	1.53	mm
L	13.5	15.0	18	mm

	XY3108	XY3108A
PIN1	Cathode	Anode
PIN2	Gnd	Gnd
PIN3	Anode	Cathode



Spectral response curve