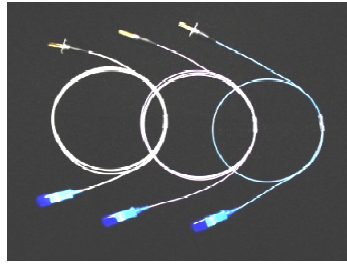
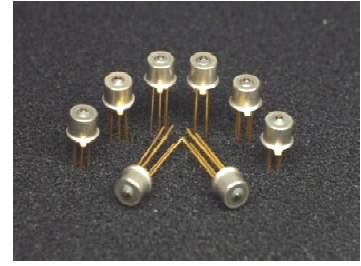


Features

- High sensitivity (-38dBm)
- Differential output (50Ω)
- 5 pin coaxial package



Pigtail type



CAN type

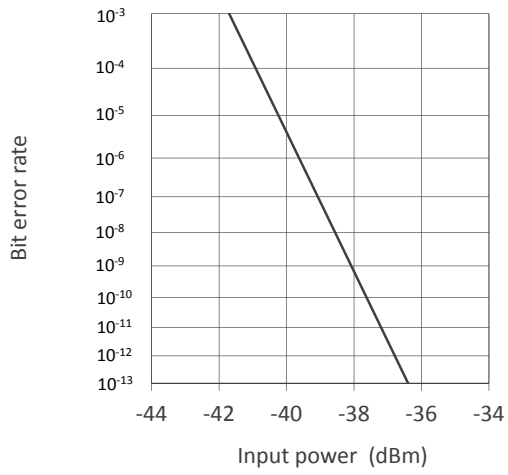
Absolute Maximum Ratings

Parameter	Symbol	Value	Unit	Note
Supply voltage	V_{CC}	-0.5 to +6.0	V	
APD reverse voltage	V_R	0 to V_B	V	
APD reverse current	I_R	2	mA	
Operating temperature	T_{opr}	-40 to +85	°C	
Storage temperature	T_{stg}	-40 to +85	°C	

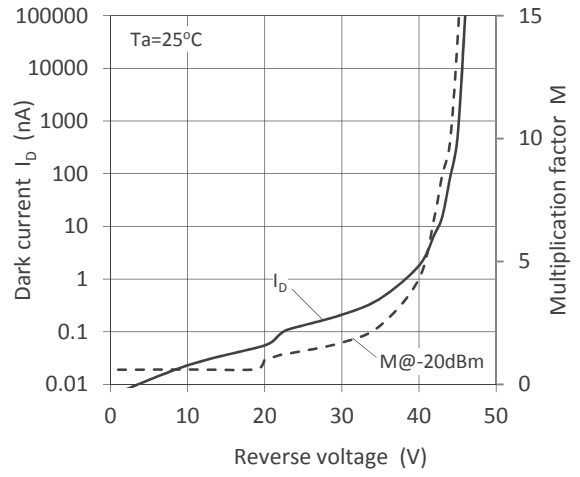
Electrical and Optical Characteristics (Ta=25°C unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Operating voltage	V_{op}	3.1	3.3	3.5	V	
Supply current	I_{CC}	32	42	53	mA	
Breakdown voltage	V_B	30	45	55	V	$I_D=10\mu A$
APD dark current	I_D	-	10	50	nA	$V_R=V_B \times 0.9$
Temperature coefficient of V_B	$\Delta V_B/\Delta T$	-	0.09	0.12	V/°C	
Responsivity	R	0.8	0.85	-	A/W	$\lambda=1310\text{nm}$, M=1
		0.9	0.95	-		$\lambda=1550\text{nm}$, M=1
Bandwidth @-3dB	BW	0.75	0.85	-	GHz	$R_L=50\Omega$, $P_i=-10\text{dBm}$, M=10
Optical sensitivity	P_{imin}	-	-38	-	dBm	Differential, BER= 10^{-10} , M=10, BR=1.25Gbps
Transimpedance	Z_t	-	50	60	kΩ	Differential

Bit Error Rate



Dark Current - Reverse Voltage



- 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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