

OG-A-200-25 APD

Operating Characteristics: Temperature = 25°C

Parameter	Min	Typical	Max	Units
Wavelength Range	1000	-	1630	nm
Responsivity @ M = 1 1550 nm wavelength	0.9	0.94	1.05	A/W
Dark Current @ M=10	-	100	200	nA
Operating voltage, Vr @ M=10		40	55	volts
Breakdown Voltage ($I_d = 10 \mu\text{A}$)	35	50	65	volts
Active Diameter	200	205	210	μm
Capacitance	-	1.7	2.1	pF
Bandwidth @ M = 5	0.5	1.0	1.5	GHz
Bandwidth @ M = 10	0.5	1.0	1.5	GHz
Bandwidth @ M = 20	0.5	0.8	1.2	GHz
Excess Noise Factor, F @ M=10	-	3.2	3.7	-
Excess Noise Factor, F @ M=20	-	5.5	6.0	-
Noise Equivalent Power, NEP @ M=10	-	0.07	0.2	$\text{pW/Hz}^{1/2}$

Absolute Maximum Conditions

Parameter	Min	Max	Units
Operating Temp Range	0	70	°C
Storage Temp Range	-40	85	°C
Max Reverse Current	-	1	mA
Max Forward Current	0	10	mA
Optical Input	-	0	dBm