

OG-A-100-25 APD

Operating Characteristics: Temperature = 25°C

Parameter	Min	Typical	Max	Units
Wavelength Range	1000	-	1630	nm
Responsivity @ M = 1	0.85	0.94	1.0	A/W
Dark Current @ M=10	-	30	60	nA
Operating voltage, Vr @ M=10		40	55	volts
Breakdown Voltage (Id = 10 μ A)	40	50	65	volts
Active Diameter	98	100	102	μ m
Capacitance	0.60	0.65	0.70	pF
Bandwidth @ M = 5	2.0	2.5	3.0	GHz
Bandwidth @ M = 10	2.0	2.5	3.0	GHz
Bandwidth @ M = 20	1.5	2.2	2.5	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	-	0.06	0.1	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	-	3	mA
Max Forward Current	0	10	mA
Optical Input	-	0	dBm