

OG-A-020-10 APD

Operating Characteristics: Temperature = 25°C

Parameter	Min	Typical	Max	Units
Wavelength Range	1000	-	1630	nm
Responsivity @ M = 1	0.60	0.63	0.65	A/W
Dark Current @ M=10	-	10	20	nA
Operating voltage, Vr @ M=10	21	24	31	volts
Breakdown Voltage (Id = 10 μ A)	25	28	35	volts
Active Diameter	18	20	22	μ m
Capacitance	0.12	0.18	0.2	pF
Bandwidth @ M = 5	6.0	6.5	7	GHz
Bandwidth @ M = 10	6.0	6.5	7	GHz
Bandwidth @ M = 20	4.0	4.5	5.0	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	-	0.03	0.05	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