

OG-A-350-25 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
I_d , Dark Current @ M=10	-	190	250	nA
V_r @ M=10	30	45	60	volt
Breakdown Voltage ($I_d = 10 \mu A$)	35	55	70	volt
Active Diameter	350	352	355	μm
Capacitance @ M=10	-	4.1	4.6	pF
Bandwidth @ M = 5	-	0.6	-	GHz
Bandwidth @ M = 10	-	0.6	-	GHz
Bandwidth @ M = 20	-	0.6	-	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	-	0.12	-	$pW/Hz^{1/2}$

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