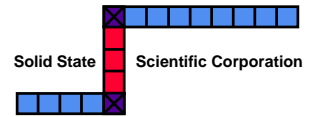


SSSC-10AL 10Gb/s APD



SSSC-10AL Operating Characteristics

Parameter	Min	Typical	Max	Units
Wavelength Range	1000	-	1630	nm
Responsivity @ M = 1	0.55	0.6	0.7	A/W
Dark Current @ $0.9 \times V_b$	-	5	25	nA
Breakdown Voltage ($I_d = 10 \mu A$)	25	30	35	volts
Active Diameter	-	24	-	μm
Capacitance	0.1	0.15	0.2	pF
Bandwidth @ M = 3	6	6.5	7.5	GHz
Bandwidth @ M = 10	5.5	6.0	7	GHz
Bandwidth @ M = 20	4	4.5	5	GHz
Excess Noise Factor, F	3	3.5	4	-

SSSC-10AL Absolute Maximum Conditions

Parameter	Min	Max	Units
Operating Temp Range	0	70	$^{\circ}C$
Storage Temp Range	-40	85	$^{\circ}C$
Max Reverse Current	-	3	mA
Max Forward Current	0	10	mA
Optical Input	-	0	dBm

For more information, please contact:

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