



DESCRIPTION

The **SD 219-51-03-301** is a blue enhanced linear array 12 elements silicon photodiode available in a ceramic package.

FEATURES

- Compact package
- Blue enhanced

RELIABILITY

Contact Luna for recommendations on specific test conditions and procedures.

APPLICATIONS

- Medical
- Industrial



ABSOLUTE MAXIMUM RATINGS

SYMBOL	MIN	MAX	UNITS	
Reverse Voltage		50	V	$T_a = 23^\circ\text{C}$ UNLESS OTHERWISE NOTED
Storage Temperature	-40	to +100	$^\circ\text{C}$	-
Operating Temperature	-40	to +75	$^\circ\text{C}$	-
Soldering Temperature*	-	+240	$^\circ\text{C}$	-

*1/16 inch from case for 3 seconds max.

OPTO-ELECTRICAL PARAMETERS

T_a = 23°C UNLESS OTHERWISE NOTED

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Dark Current	V _R = 10V	-	-	2.7	nA
Shunt Resistance	V _R = 10 mV	600	-	-	MΩ
Junction Capacitance	V _R = 0 V, f = 1 MHz	-	28	33	pF
Spectral Application Range	Spot Scan	350	-	1100	nm
Breakdown Voltage	I = 10μA	-	-	-	V
Noise Equivalent Power	V _R = 0V; λ = Peak	-	1.4x10 ⁻¹⁴	-	W/√Hz
Response Time**	RL = 50Ω, V _R = 0V	-	190	-	nS
	RL = 50Ω, V _R = 10V	-	13	-	

** Response time of 10% to 90% is specified at 660nm wavelength light.

TYPICAL PERFORMANCE

SPECTRAL RESPONSE

