

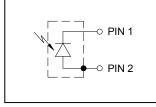
FEATURES

- Ø 1.60 mm active area
- Long term stability
- High sensitivity
- UV/ Blue enhanced

ABSOLUTE MAXIMUM RATING

SYMBOL	PARAMETER	MIN	MAX	UNITS
T _{STG}	Storage Temp	-55	+125	°C
T _{OP}	Operating Temp	-40	+100	°C
V _{R(OP)}	Reverse Operating Voltage	-	50	V
I _(PEAK)	Peak DC Current	-	10	mA

SCHEMATIC

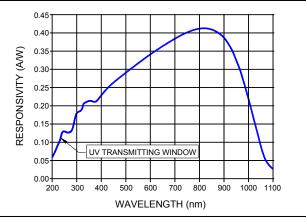


$2.0\ mm^2$ UV Silicon Photodiode with N on P construction. Hermetically packaged in a TO-52 with a UV transmitting clear glass window cap.

APPLICATIONS

- UV exposure meters
- Pollution monitoring
- Fluorescent analyzers
- Medical instrumentation

SPECTRAL RESPONSE



ELECTRO-OPTICAL CHARACTERISTICS @ 22° C

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	MIN	TYP	MAX	UNITS
R _{SH}	Shunt Resistance	$V_R = \pm 10 \text{ mV}$	500	2000		MΩ
I _D	Dark Current	$V_R = 5 V$		0.4		nA
С	Capacitance	$V_R = 0 V$		120		pF
		$V_R = 5 V$		60		
	Responsivity	V _R = 0 V; λ = 340 nm		0.17		A/W
		V _R = 0 V; λ = 850 nm		0.42		
NEP	Noise Equivalent Power	V_{R} = 0 V; λ = 850 nm; R_{L} = 50 Ω		1.0 X 10 ⁻¹⁴		W/Hz ^{1/2}
V _{BR}	Breakdown Voltage	I _R = 10 μA	30	50		V
t _r	Rise Time	V_R = 5 V; λ = 410 nm; R_L = 50 Ω		0.1		μs

These devices are sensitive to electrostatic discharge. Please use ESD precautions when handling.

Disclaimer: Due to our policy of continued development, specifications are subject to change without notice.

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DESCRIPTION 2.0 mm² UV Silicon Photodiode with N on Hermetically packaged in a TO-52 with a

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