

DESCRIPTION

The **PDB-V615-2** is a silicon, planar diffused, red enhanced solderable photodiode that comes with PVC wire leads.

FEATURES

- Red Enhanced
- Photovoltaic
- High quantum efficiency

RELIABILITY

Contact Luna for recommendations on specific test conditions and procedures.

APPLICATIONS

- Optical encoder
- Position sensor
- Instrumentation
- Industrial controls



ABSOLUTE MAXIMUM RATINGS

SYMBOL	MIN	MAX	UNITS	
Reverse Voltage	-	25	V	T _a = 23°C UNLESS OTHERWISE NOTED
Storage Temperature	-40	125	°C	-
Operating Temperature	-40	+100	°C	-
Soldering Temperature*	-	+224	°C	-

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

OPTO-ELECTRICAL PARAMETERS

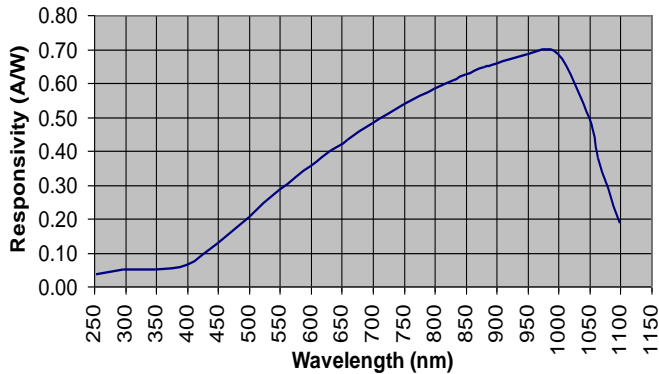
T_a = 23°C UNLESS NOTED OTHERWISE

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Short Circuit Current	H= 100 fc, 2850 K	2.5	2.8	-	mA
Dark Current	V _R = 5 V	-	350	700	nA
Shunt Resistance	V _R = 10 mV	0.2	0.5	-	mΩ
Junction Capacitance	V _R =0V; f = 1 MHz	-	25800	-	pF
Spectral Application Range	Spot Scan	350	-	1100	nm
Breakdown Voltage	I=10 μA	5	15	-	V
Noise Equivalent Power	V _R =0V@λ= Peak	-	5.0x10 ⁻¹³	-	W/√ _{Hz}
Response Time**	RL = 1KΩ, V _R = 0 V	-	7000	-	nS

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

TYPICAL PERFORMANCE

SPECTRAL RESPONSE



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [luna optoelectronics](#) manufacturer:

Other Similar products are found below :

[PDI-E804](#) [PDB-V615-2](#) [PDB-V601-1-25](#) [PDB-C110](#) [PDV-P9004](#) [PDB-C109](#) [PDB-V107](#) [PDB-C612-2](#) [PDB-C107](#) [SLSD-71N300](#) [PDV-P9103](#) [NSL-4960](#) [PDB-C609-2](#) [PDB-C158F](#) [PDV-P5002](#) [NSL-6910](#) [PDB-C613-2](#) [NSL-5150](#) [NSL-5510](#) [PDV-P8101](#) [PDV-P8005](#) [NSL-32SR2S](#) [PDV-P8107](#) [PDB-C160SM](#) [PDV-P5001](#) [PDV-P7002](#) [PDV-P9003-1](#) [SLD-70BG2A](#) [PDV-P5003](#) [PDV-P9003](#) [NSL-5540](#) [NSL-32SR2](#) [PDV-P8006](#) [PDV-P8102](#) [PDB-C158](#) [NORPS-12](#) [PDV-P8001](#) [PDB-C171SM](#) [PDV-P9002](#) [PDV-P9200](#) [PDV-P9005](#) [APW-MW2-1210-010](#) [NSL-5152](#) [NSL-5162](#) [NSL-5112](#) [PDV-P9203](#) [NSL-6110](#) [NSL-06S53](#) [PDV-P9002-1](#) [PDB-C139](#)