

- 600 nm CWL
- 65 nm FWHM
- Low noise

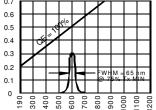
PIN planardiffused, photodiode with a red color 600 nm +/- 2 nm CWL wide band interferance filter and a 65 nm half bandwidth. Ideal for photometry and radiometry measurement applications.

- Red color matching
- Color meters
- Film processing

ABSOLUTE MAXIMUM RATING (TA=25°C unless otherwise noted)

SYMBOL	PARAMETER	MIN	MAX	UNITS	Ś				
VBR	Reverse Voltage		100	V	۲ (A				
T _{stg}	Storage Temperature	-20	+85	°C	Γ				
To	Operating Temperature Range	-15	+70	°C	ISNO				
Ts	Soldering Temperature*		+240	°C	SPC				
l	Light Current		0.5	mA	Ë				





WAVELENGTH (nm)

*1/16 inch from case for 3 secs max

ELECTRO-OPTICAL CHARACTERISTICS (TA=25°C unless otherwise noted)

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	MIN	TYP	MAX	UNITS
lsc	Short Circuit Current***	H = 100 fc, 2850 K	150	200		μA
ΙD	Dark Current	H = 0, V _R = 10 mV		10	50	pА
Rsн	Shunt Resistance	H = 0, V _R = 10 mV	.20	2		GΩ
TC Rsh	RsH Temp. Coefficient	H = 0, V _R = 10 mV		-8		% / °C
CJ	Junction Capacitance	H = 0, V _R = 10 V**		1700		pF
CWL	Center Wavelength	(CWL, λ o) +/- 2 nm		600		nm
HBW	Half Bandwidth	(FWHM)		65		nm
VBR	Breakdown Voltage	I = 10 µµA	50	75		V
N EP	Noise Equivalent Power	V _R = 10 mV @ Peak		9x10 ⁻¹⁵		W/ V Hz
tr	Response Time	$RL = 1 \ K\Omega \ V_R = 10 \ V$		1.0		μS

Information in this technical data sheet is believed to be correct and reliable. However, no responsibility is assumed for possible inaccuracies or omission. Specifications are subject to change without notice.**f = 1 MHz, ***without filter [FORM NO. 100-PDV-V403 REV A]