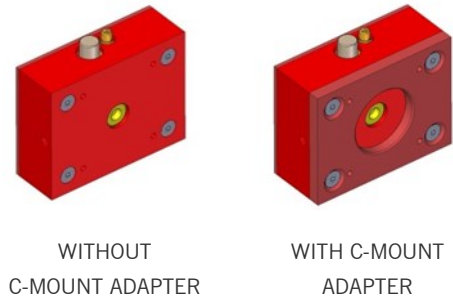


Introduction

Low Noise Visible Photoreceiver (D320-B400K-G10M-DC-FS) based on our low noise current amplifier design deployed in many instruments. Spectral range covers 300-1100nm. It has single gain setting, DC coupled and bandwidth of 400kHz. There are several mounting holes for different mounting orientation. It can be used a standalone instrument or as OEM unit.



Standard package overview. Variations expected between D300 models. Typical color finish red or blue. Optional C-mount adaptor is sold separately.

Specification

Features	Ultra low noise visible photoreceiver with 4 gain setting and internal external current bias control	
Applications	Photonics, spectroscopy, OEM applications	
Specifications	Parameter	Value
	Material	Si
Detector	Diameter / Size	2.4x2.8 mm, Free Space
	Spectral Response	300-1100 nm
	Conversion	0.5 A/W at 1000 nm
Gain	Fixed	1x10 ⁷ V/A
Frequency response		DC-400 kHz (-3dB)
Rise/Fall time		1 μs
Input	NEP	Less then 120 fW/√Hz at 1x10 ⁷ V/A gain at 10 kHz
	Max. Input Power	10 mW CW before damage
	Impedance	50 Ω
Output	Offset	Adjustable externally
	Voltage	0-10 V, 0-5 V at 50 Ω load
	Connector	SMB
Dimensions (WxHxD)	57.2 x 48.8 x 19.3 mm (Without C-Mount adaptor)	
Weight	200 g	
Power supply	AC/DC	± 15 V @ 100mA; Power supply and/or adaptor cables are provided; LEMO power connector
Storage Temp	-20 to 85 C	
Operating Temp	0 to 70 C	