



DMX60 series high-speed photodetector

OVERVIEW

DMX60 series high-speed photodetector have the characteristics of fast response, high sensitivity and flat gain, It is suitable for a wide wavelength range, mainly used in high-speed optical fiber communication, high-speed optical pulse detection and other fields.

FEATURES

- ◆ Fiber-coupled input
- ◆ Sealed indium gallium arsenic detector module
- ◆ All-metal shell with excellent shielding performance
- ◆ Miniaturized for easy installation and integration

APPLICATIONS

- ◆ High-speed fiber optic sensing
- ◆ Microwave optical link
- ◆ High-speed fiber optic communications
- ◆ Scientific analysis and experimentation
- ◆ High-speed light pulse detection

SPECIFICATIONS

Item	DMX60-6G	DMX60-12G	DMX60-18G	DMX60-24G	DMX60-40G
Detector	InGaAs				
Wavelength Range	800-1650nm				1100-1620nm
Optical Input	FC/APC				
Peak Response	0.85A/W				0.75A/W
Gain flatness	±1dB	±1.2dB	±1.5dB	±1.7dB	±3.5dB
Bandwidth	0.01-6G	0.01-12G	0.01-18G	0.01-24G	DC-40G

Max Gain @ External 50 Ω load	42.5V/W	37.5V/W
Saturated optical power	10dBm @1550nm	
Return loss	-35dB	
Maximum output amplitude @ External 50 Ω load	425mV	375mV
Work voltage	9-12VDC	
Work current	<50mA	
Output connector	SMA Female	K Female
output impedance	50 Ω	
Output coupling mode	AC/DC	DC
Work temperature	-20~65°C	
Storage temperature	-40~85°C	
Package Size	90mm x 60mm x 22mm (长 x 宽 x 厚, 不含连接器)	

MECHANICAL DRAWING

