

# Ball-Grid-Array Thin Film Low-Pass Filter

**FL\*B5BC series** NEW



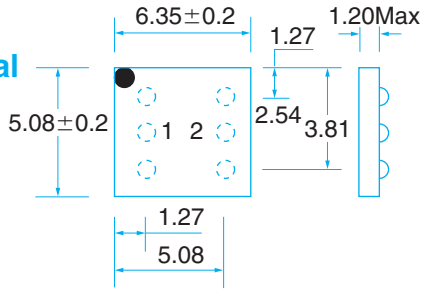
Low pass filter up to 10GHz with very low reflection.  
Ball-grid-array termination for surface mount application.

RoHS compliant



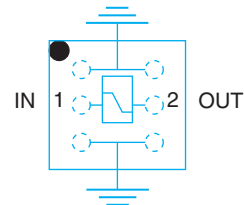
## SPECIFICATIONS

### Mechanical



FL7B5BH (Dimension:mm)  
FL9B5BH

### Equivalent circuit



FL7B5BH  
FL9B5BH

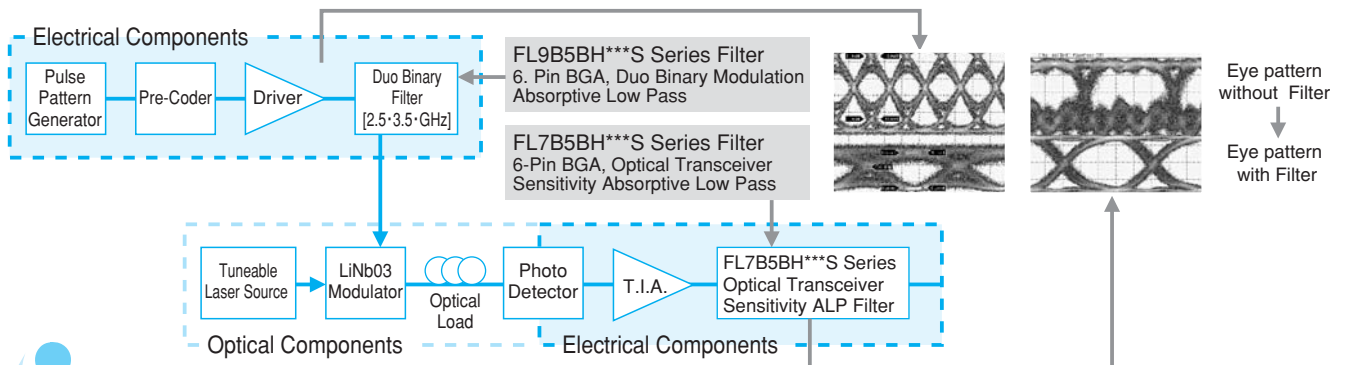
### Electrical

Type	FL7B5BH	FL9B5BH
Cut Off Frequency $f_0$ (-3dB)	6.0GHz~10.0GHz(0.5GHz step)	2.5GHz~4.0GHz(0.25GHz step)
Attenuation(typical)	-10dB at $2f_0$	-10dB at $3f_0$
Reflection(typical)	S11 >12dB at $F_0$ , >10dB at $2f_0$	>15dB at $F_0$ , >10dB at $2f_0$
	S22 >10dB at $F_0$	>13dB at $F_0$
Rated current (A)	100m	
Operating Temp. Range	-40°C~+85°C	



## Application/ Features

### Transmission & reception on optical fiber communication



## PART NUMBER

**FL 9B 5 B H 030 S (-C)**

Given to RoHS compliant products

serial code (S=Single)

Cut Off Frequency  $f_0$ (025=2.50GHz, 028=2.75GHz, 030=3.0GHz, 033=3.25GHz, 035=3.5GHz, 038=3.75GHz, 040=4.0GHz, 060~075=7.5GHz, 080=8.0GHz, 085=8.5GHz, 090=9.0GHz, 095=9.5GHz, 100=10GHz)

Electrode Type (H=6pin BGA)

Filter Function (B=Bessel)

Impedance (5=50Ω)

Filter order/return function (7=7th, 9=9th/B=Absorptive)

Part Code