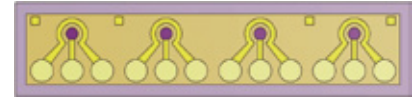


## EB-4ch PIN-850-100-01 (Multimode)



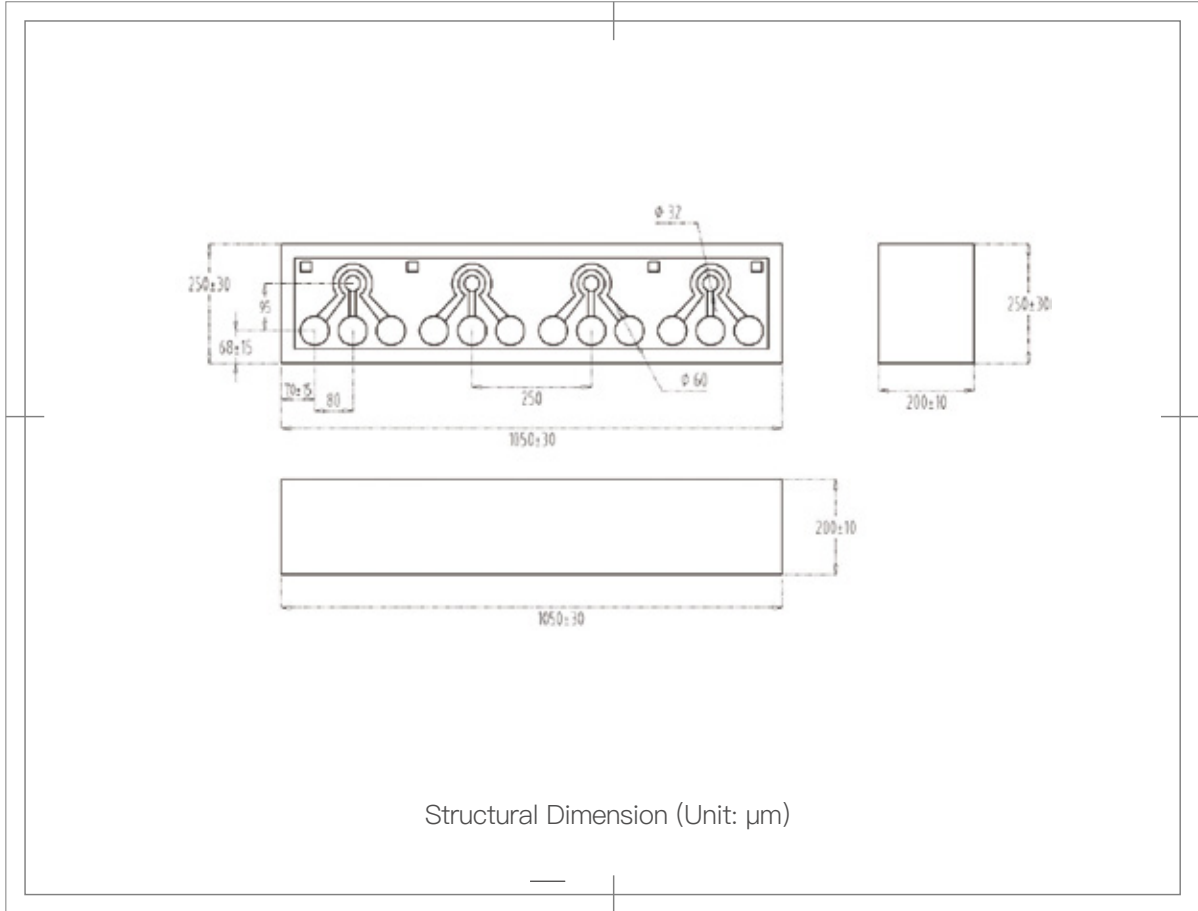
Product Code	Description	Type	Data Rate	Operating Temperature
EB-4ch PIN-850-100-01	850nm 1 x 4 100G PAM4 PD Array	Array,1*4	106G	0~85°C

### Characteristics

	Unit	Min	Typical	Max	Notes
Operating Temperature	°C	0		85	
Responsivity	A/W	0.5	0.55		$\lambda_{op} = 850\text{nm}$ , $V_r = 2\text{V}$ , $P_{in} = 0\text{dBm}$
Dark Current	nA			1	$V_r = 2\text{V}$
Breakdown Voltage	V	20			$I_d = -10\mu\text{A}$
Capacitance	fF		95		$V_r = 2\text{V}$
Operating Wavelength	nm	840	850	940	
Diameter of Aperture	$\mu\text{m}$		32		
3 dB Bandwidth (15 $\Omega$ TIA)	GHz		36		$\lambda_{op} = 850\text{nm}$ , $P_{in} = -3\text{dBm}$

### Remarks

1. Explanation of Item Number: EB (Everbright in short)–4ch PIN–850(Wavelength)–100 (Data rate 100G)–01 (Version Number)
2. Test Condition: 25°C
3.  $P_{in}$  is input power.
4. Take general ESD precautions when operating the chip. The chip is delivered in an ESD package, after removing the chip from the package, use it in an environment where ESD is taken, including but not limited to a standard grounding workbench, foot pad, and wrist strap.
5. When used under extreme operating conditions, it will cause permanent damage to the chip.
6. Long-term use under near-limit operating conditions may adversely affect product performance and life.



### Applications



Data Center Application

### Features



Qualified for Non-hermetic Packages



Low Dark Current



Working Wavelength: 840nm-940nm



High Responsivity



Data Rate: 106Gbps



High Bandwidth



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