

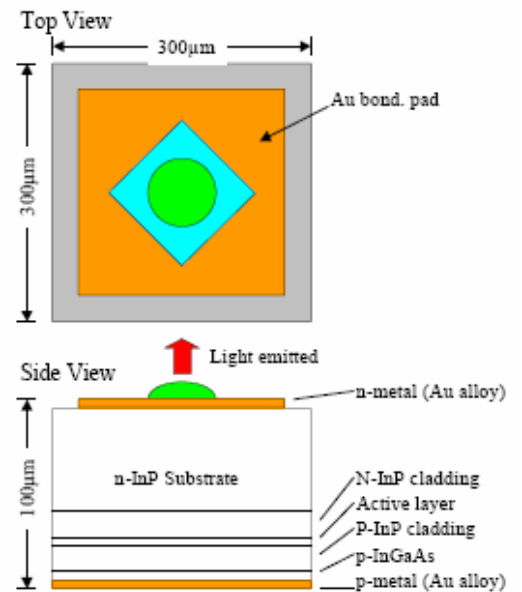
155 Mbps 1310 nm LED (Preliminary)

EI0A-7000

Part Number: EI0A-7000
Applications: 155 Mbps

Absolute Maximum Ratings (T = 25°C):

Parameter	Symbol	Unit	Value
Forward Current	I_F	mA	150
Reverse Voltage	V_R	V	2
Operating Temperature	T_{op}	°C	-40 - 85
Storage Temperature	T_{stg}	°C	-40 - 85



Electro-optical Characteristics (T = 25°C, unless noted otherwise):

Parameter	Symbol	Unit	Min.	Typ.	Max.	Test Condition
Output Power	P_O	mW	0.6	1.0	-	$I_F=60mA$
Operation Voltage	V_F	V	-	1.2	1.7	$I_F=60mA$
Bandwidth	BW	MHz		155		$I_F=60mA$
Wavelength	λ_p	nm	1280	1310	1350	$I_F=60mA$
Spectral Width	$\Delta\lambda$	nm	-	-	170	$I_F=60mA$
Rise/Fall Time	τ_r/τ_f	ns			3	10%~90%

P_O is measured on bare chips with LuxNet's tester.
 Bonding Condition Note: Die-bonding on a good heat sink.

* Specifications are subject to change without notice.
 * Screening per customer-specified reject limits is available