



Absolute Maximum Ratings (Ta=25°C)

	UNIT	SPEC.
IF	mA	30
IFp	mA	100
V _R	V	5
IR	uA	100
Top	°C	-25~+80
Tstg	°C	-30~+85

Part No.	Chip				Lens Appearance	Electro-optical Data (At 20mA)				Viewing Angle 2θ 1/2 (deg)±5
	Material	Emitted Color	λ P (nm)	Δ λ (nm)		V _f (V)		I _v (mcd)		
						Typ.	Max.	Min.	Typ.	
BL-HH033	GaP/GaP	Bright Red	700	90	Water Clear	2.2	2.6	0.5	1.5	120
BL-HG033	GaP/GaP	Green	568	30		2.2	2.6	4.0	12.0	
BL-HGC33	GaP/GaP	Green	568	30		2.1	2.6	5.0	15.0	
BL-HX133	GaP/GaP	Hi-Eff Green	568	30		2.0	2.6	6.0	18.0	
BL-HW133	GaP/GaP	Pure Green	555	25		2.2	2.6	1.0	4.0	
BL-HY033	GaAsP/GaP	Yellow	585	35		2.1	2.6	2.5	7.0	
BL-HE033	GaAsP/GaP	Hi-Eff Red	630	45		2.0	2.6	3.5	10.0	
BL-HE133	GaAsP/GaP	Hi-Eff Red	640	45		2.0	2.6	3.5	10.0	
BL-HA133	GaAsP/GaP	Soft-Orange	610	35		2.0	2.6	1.5	4.5	
* BL-HS033	GaAlAs/GaAs	Super Red	660	20		1.7	2.6	5.0	16.0	
* BL-HS133	GaAlAs/GaAs	Super Red	660	20		1.8	2.6	5.0	15.0	
* BL-HD033	GaAlAs/GaAs	Super Red	660	20		1.8	2.6	8.0	25.0	
* BL-HF033	GaAlAs/GaAlAs	Super Red	660	20		2.1	2.6	13.0	40.0	
* BL-HF133	GaAlAs/GaAlAs	Super Red	660	20		2.1	2.6	15.0	45.0	
* BL-HF533	GaAlAs/GaAlAs	Super Red	660	20		2.2	2.6	10.0	30.0	