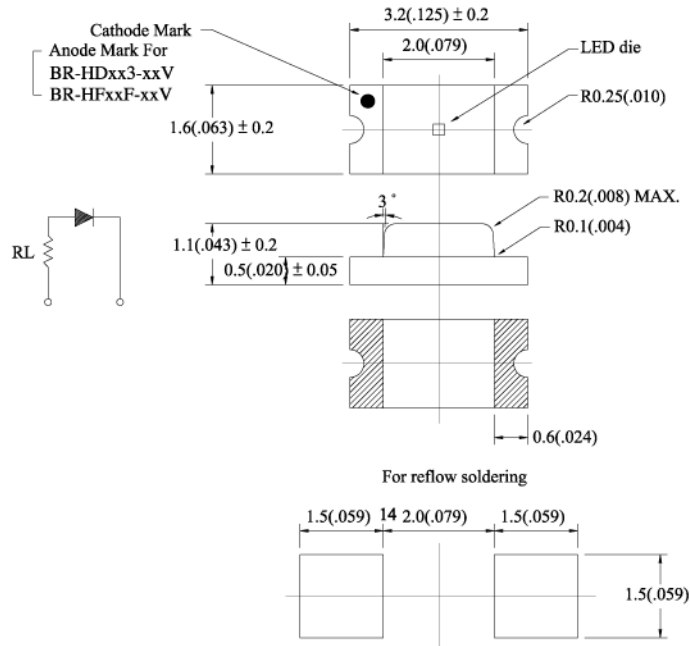


BR-Hxxx3-xxV Series



Absolute Maximum Ratings(Ta=25°C)

	UNIT	SPEC.
IF	mA	12
IFp	mA	100
Top	°C	-25~+80
Tstg	°C	-30~+85

- NOTE:**
 1. All dimensions are in millimeters(inches).
 2. Tolerance is ± 0.10(.004") unless otherwise specified.
 3. Specifications are subject to change without notice.

Part No.	Chip			Lens Appearance	Electro-optical Data						Viewing Angle 2θ 1/2 (deg)
	Material	Emitted Color	λ p (nm)		Operating Voltage		Forward Current		Iv(mcd)		
					Typ.	Max.	Typ.	Max.	Min.	Typ.	
BR-HG033-05V	GaP/GaP	Green	568	Water Clear	—	5	7	12	5.0	15.0	140°
BR-HY033-05V	GaAsP/GaP	Yellow	585		—	5	7	12	4.0	12.0	
BR-HE033-05V	GaAsP/GaP	Hi-Eff Red	635		—	5	7	12	5.0	15.0	
BR-HD033-05V	GaAlAs	Super Red	660		—	5	7	12	10.0	30.0	
BR-HG033-12V	GaP/GaP	Green	568		—	12	7	12	5.0	15.0	
BR-HY033-12V	GaAsP/GaP	Yellow	585		—	12	7	12	4.0	12.0	
BR-HE033-12V	GaAsP/GaP	Hi-Eff Red	635		—	12	7	12	5.0	15.0	
BR-HD033-12V	GaAlAs	Super Red	660		—	12	7	12	10.0	30.0	
BR-HG033-15V	GaP/GaP	Green	568		—	15	7	12	5.0	15.0	
BR-HY033-15V	GaAsP/GaP	Yellow	585		—	15	7	12	4.0	12.0	
BR-HE033-15V	GaAsP/GaP	Hi-Eff Red	635		—	15	7	12	5.0	15.0	