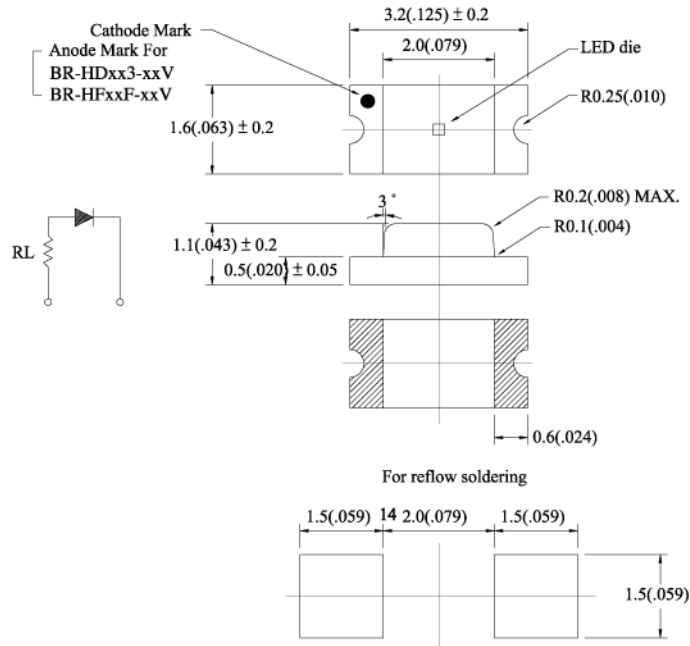


BR-Hxxx3-xxV Series



NOTE:
 1. All dimensions are in millimeters (inches).
 2. Tolerance is $\pm 0.10(.004)$ unless otherwise specified.
 3. Specifications are subject to change without notice.

Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

	UNIT	SPEC.
IF	mA	12
IFp	mA	100
Top	$^\circ\text{C}$	-25~+80
Tstg	$^\circ\text{C}$	-30~+85

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	