



Part No.	Material	Emitter Color	Lens Type	Wave Length λ_p (nm)	At 20mA		View Angle $2\theta_{1/2}$ (deg)	Package Dimension
					V _f (V) Typ.	I _v (mcd) Typ.		
313HD	---	Red	Red Diffused	700	2.4	3.5	45	
313HRD-3	---	Red	Red Diffused	660	1.7	68	45	
313GD	---	Green	Green Diffused	568	2.2	45	45	
313YD	---	Yellow	Yellow Diffused	589	2.1	40	45	
313SOD	---	Orange	Orange Diffused	610	2	45	45	
333HD	---	Red	Red Diffused	700	2.4	3.75	40	
333ID	---	Red	Red Diffused	635	1.9	68	40	
333HRD-3	---	Red	Red Diffused	660	1.7	75	40	
333GD	---	Green	Green Diffused	568	2.2	50	40	
333VGD	---	Green	Green Diffused	568	2.2	68	40	
333YD	---	Yellow	Yellow Diffused	589	2.1	45	40	
333VYD	---	Yellow	Yellow Diffused	589	2.1	63	40	
333SOD	---	Orange	Orange Diffused	610	2	50	40	
333HRC-3	---	Red	Water Clear	660	1.7	250	16	
333VGC	---	Green	Water Clear	568	2.2	150	16	
333VYC	---	Yellow	Water Clear	589	2.1	125	16	

NOTES:

1. All dimensions are in millimeters.
2. Tolerance is +/- 0.2mm unless otherwise specified
3. Protruded resin under flange is 1.5mm MAX.
4. Specifications are subject to change without notice.