



Part No.	Material	Emitter Color	Lens Type	Wave Length $\lambda_p$ (nm)	At 20mA		View Angle $2\theta_{1/2}$ (deg)	Package Dimension
					Vf (V) Typ.	Iv (mcd) Typ.		
1203HRD-3	---	Red	Red Diffused	660	1.7	25	90	
1203VGD	---	Green	Green Diffused	568	2.2	20	90	
1203VYD	---	Yellow	Yellow Diffused	589	2.1	18	90	
1203SOD	---	Orange	Orange Diffused	610	2	15	90	
1203HRC-3	---	Red	Water Clear	660	1.7	85	35	
1203VGC	---	Green	Water Clear	568	2.2	65	35	
1203VYC	---	Yellow	Water Clear	589	2.1	60	35	
1224HRC-3	---	Red	Water Clear	660	1.7	300	16	
1224VGC	---	Green	Water Clear	568	2.2	180	16	
1224VYC	---	Yellow	Water Clear	589	2.1	150	16	
1324HD	---	Red	Red Diffused	700	2.4	3	60	
1324HRD-3	---	Red	Red Diffused	660	1.7	60	60	
1324GD	---	Green	Green Diffused	568	2.2	40	60	
1324YD	---	Yellow	Yellow Diffused	589	2.1	35	60	
1324SOD	---	Orange	Orange Diffused	610	2	40	60	

**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.