



Part No.	Material	Emitter Color	Lens Type	Wave Length λ_p (nm)	At 20mA		View Angle $2\theta_{1/2}$ (deg)	Package Dimension
					Vf (V) Typ.	Iv (mcd) Typ.		
423HD	---	Red	Red Diffused	700	2.4	0.8	120	
423HRD-3	---	Red	Red Diffused	660	1.7	10	120	
423GD	---	Green	Green Diffused	568	2.2	6.5	120	
423YD	---	Yellow	Yellow Diffused	589	2.1	5.5	120	
423SOD	---	Orange	Orange Diffused	610	2	6	120	
433HD	---	Red	Red Diffused	700	2.4	0.8	120	
433HRD-3	---	Red	Red Diffused	660	1.7	10	120	
433GD	---	Green	Green Diffused	568	2.2	6.5	120	
433YD	---	Yellow	Yellow Diffused	589	2.1	5.5	120	
433SOD	---	Orange	Orange Diffused	610	2	6	120	
473HRC-3	---	Red	Water Clear	660	1.7	12	120	
473VGC	---	Green	Water Clear	568	2.2	8	120	
473VYC	---	Yellow	Water Clear	589	2.1	6.8	120	

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.