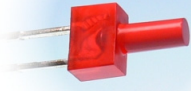
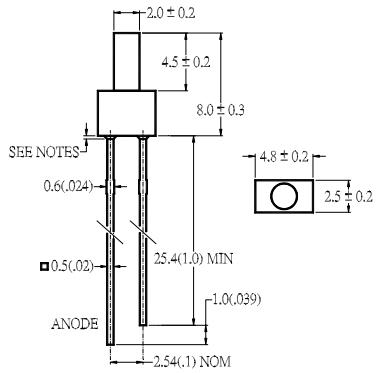
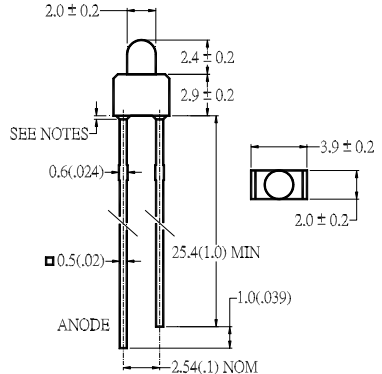
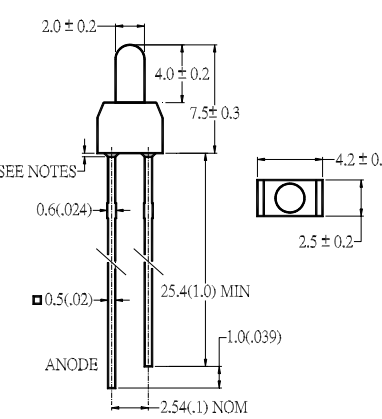


103			133			163		
								
Part No.	Material	Emitter Color	Lens Type	Wave Length λ_p (nm)	At 20mA		View Angle $2\theta_{1/2}$ (deg)	Package Dimension
					V_f (V) Typ.	I_v (mcd) Typ.		
103HD	---	Red	Red Diffused	700	2.4	1	120	
103HRD-3	---	Red	Red Diffused	660	1.7	9.5	120	
103GD	---	Green	Green Diffused	568	2.2	6	120	
103YD	---	Yellow	Yellow Diffused	589	2.1	5	120	
103SOD	---	Orange	Orange Diffused	610	2	6	120	
133HD	---	Red	Red Diffused	700	2.4	1.5	60	
133HRD-3	---	Red	Red Diffused	660	1.7	15	60	
133GD	---	Green	Green Diffused	568	2.2	9	60	
133YD	---	Yellow	Yellow Diffused	589	2.1	7.5	60	
133SOD	---	Orange	Orange Diffused	610	2	9	60	
163HD	---	Red	Red Diffused	700	2.4	1.5	60	
163HRD-3	---	Red	Red Diffused	660	1.7	15	60	
163GD	---	Green	Green Diffused	568	2.2	9	60	
163YD	---	Yellow	Yellow Diffused	589	2.1	7.5	60	
163SOD	---	Orange	Orange Diffused	610	2	9	60	

NOTES:

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