

Package Size (mm)	Blue			Green		Yellow		Orange		Red	
	GaN on SiC	InGaN on SiC				AlGaInP on GaAs					
	428nm	468nm		525nm		590nm		611nm		630nm	
3216 (1206) 3.0×2.0 t=1.3											
	SML010BAT	SML011BBT	SML012BCT	SML011EBT	SML012ECT	SML-011YT	SML-012YT	SML-011DT	SML-012DT	SML-011UT	SML-012UT

■ Absolute Maximum Ratings (Ta=25°C)

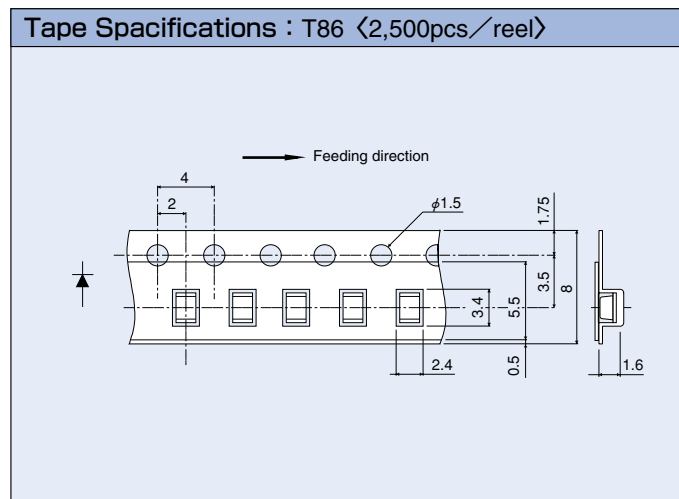
* IFP measured under duty $\leq 1/10.1\text{kHz}$.

Part No.	Resin Color	Forward voltage V _F		Reverse current I _R		Light wavelength			Brightness I _v		
		Typ. (V)	I _F (mA)	Max. (μA)	V _R (V)	Peak λ _p (nm)	Half-wave Δλ (nm)	I _F (mA)	Min. (mcd)	Typ. (mcd)	I _F (mA)
SML010BAT	Transparent Clear	3.8		100		428	65	20	3.6	9	20
SML011BBT									22	36	
SML012BCT		3.5				468	26		36	100	
SML011EBT		3.8	20	5		523	36	56	140		
SML012ECT						518	35	140	360		
SML-011YT					590	15	22	63			
SML-012YT							36	100			
SML-011DT							22	63			
SML-012DT		2.0	10		611	17	36	140			
SML-011UT							22	63			
SML-012UT					630	18	36	100			

Diagram of a rectangular plate with two rectangular holes. The plate has a total width of 1.6 mm and a total height of 1.45 mm. The top hole has a width of 1.5 mm and a height of 1.45 mm. The bottom hole has a width of 1.5 mm and a height of 1.45 mm. The distance between the holes is 1.5 mm.

(Unit : mm)

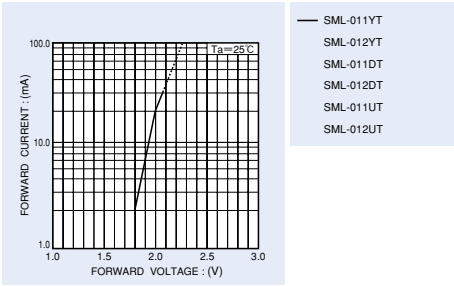
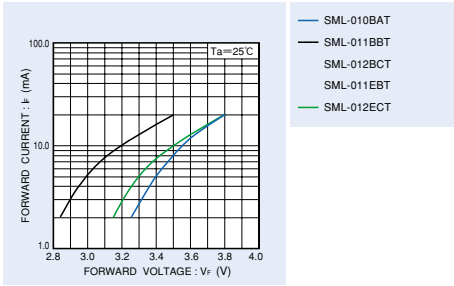
■ Packaging Specifications (Unit : mm)



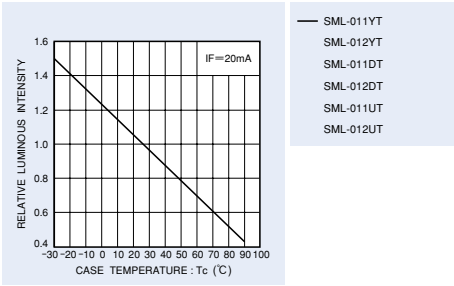
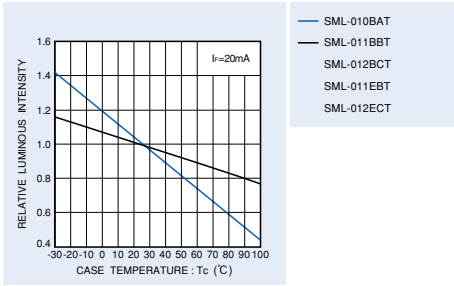
Technical drawing of a 10-pin D-subminiature connector. The drawing includes three views: a top view, a side view, and a front view. The top view shows a rectangular body with a width of 3.0 and a height of 2.0. A central rectangular area has a width of 2.3. A hatched area on the left is labeled "Cathode mark". The side view shows a height of 1.3 with a tolerance of $+0.2/-0.1$ and a width of 0.5. The front view shows a height of 1.7 and a width of 1.6. Two semi-circular terminals are shown on the front view, labeled "Terminal" and "2-R0.3". The tolerance is specified as ± 0.1 .

Electrical Characteristic Curves

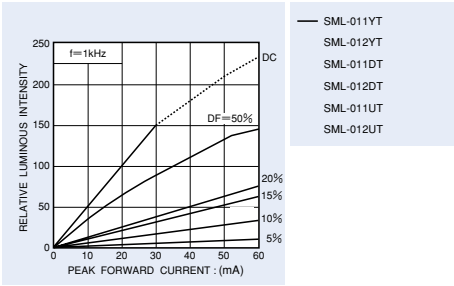
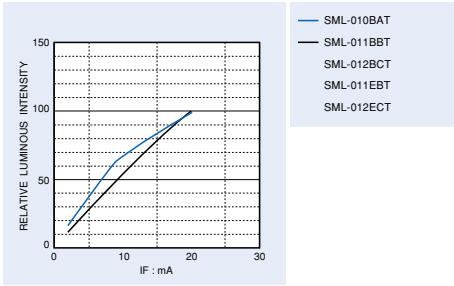
Forward Current - Forward Voltage



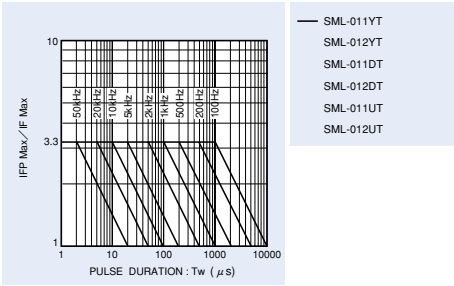
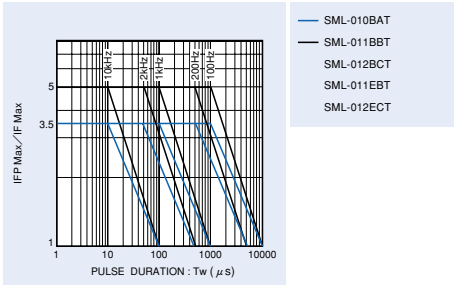
Relative Luminous Intensity - Case Temperature



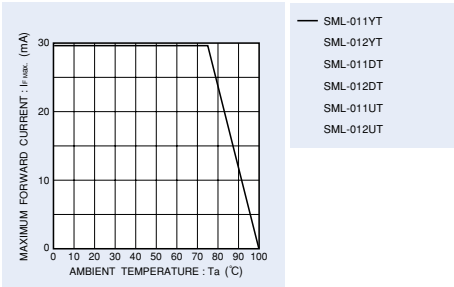
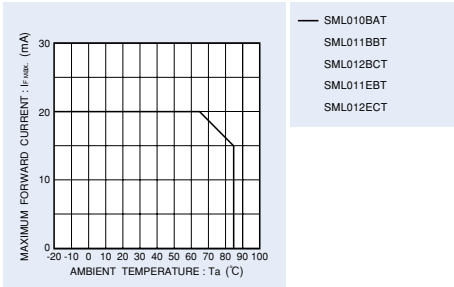
Relative Luminous Intensity - Forward Current



Ratio of Maximum Tolerable Peak Current - Pulse Duration



Derating



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