

Chip LEDs (SML · SLM)

High luminance chip LEDs with reflector

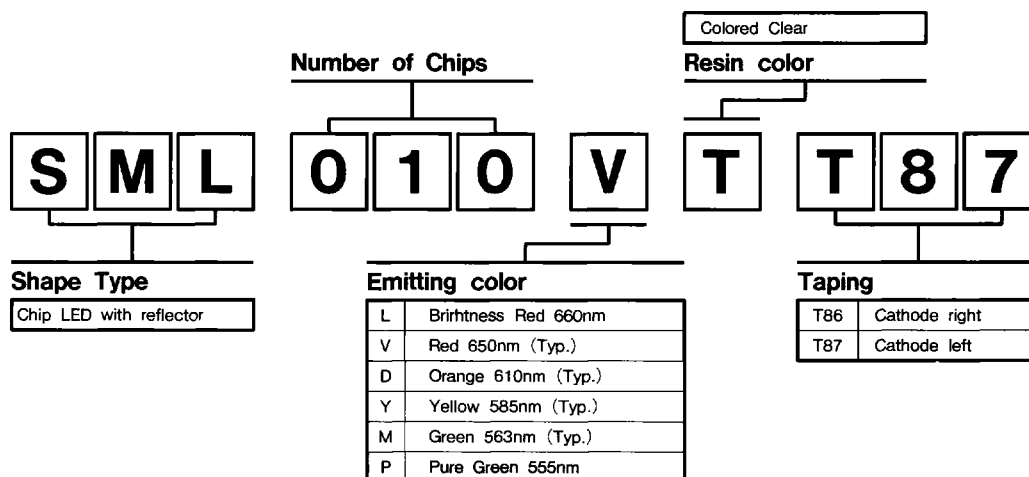
Can be used on automatic placement machine.

The reflector assures flat viewing characteristics and high luminance.

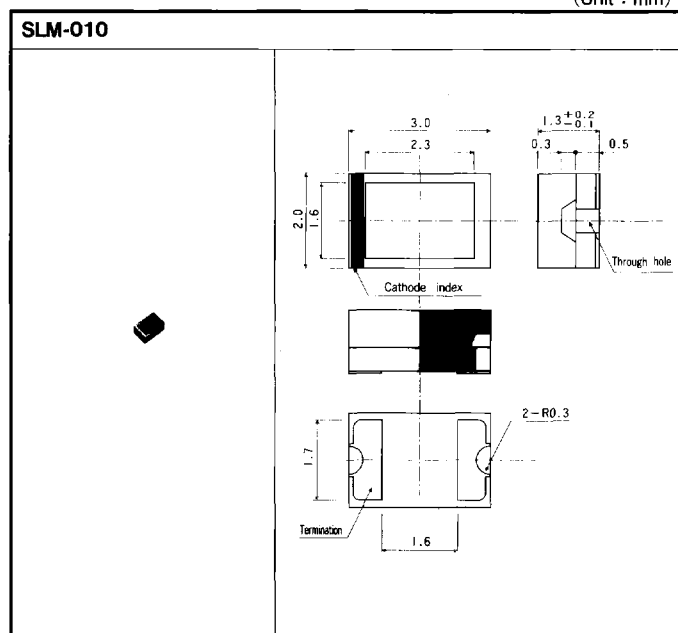
Part No.	Emitting color	Emitting material	λ_p (nm)	Basic ordering unit	Quantity /package	Quantity /bag	Rank
SML-010LT	Red	GaAlAs	660	2,500	2,500	2,500	◎
SML-010VT			650				
SML-010DT	Orange	GaAsP on GaP	610				
SML-010YT	Yellow		585				
SML-010MT	Green	GaP	563				
SML-010PT	Pure Green		555				

◎ : Standard products

●Product Designation



(Unit : mm)



Molded package chip LEDs

Mini molded packages can be mounted using an automatic placement machine. Best suitable for flat display backlight such as on a portable telephone.

●Product Designation

Shape Type		Number of Chips		Lamp Shape	Emitting Color		Lens Color	
M	Mini-mold	1	1-element lamp		R	Red 700nm	R	Red Colored Diffused
N	New Mini-mold	2	2-element lamp		L	Brightness Red 660nm	Y	Yellow Colored Diffused
					V	Red 650nm (Typ.)	G	Green Colored Diffused
					D	Orange 610nm (Typ.)	W	Milky White
					Y	Yellow 585nm (Typ.)	C	Colored Clear
					M	Green 563nm (Typ.)	T	Transparent Clear
					P	Pure Green 555nm		

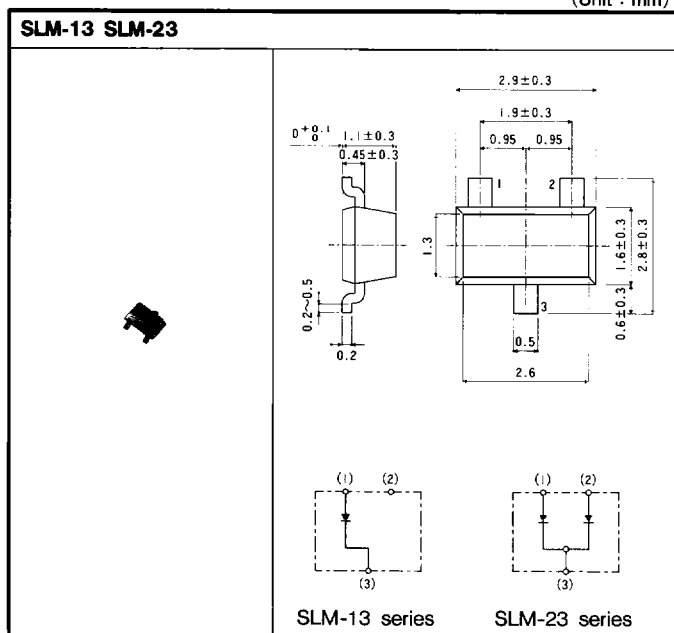
Single color : 1 Letter, Two colors : 2 Letters

●Surface Mounted LEDs

Emitter surface size (mm)	Lens	Part No.	Emitting color	Emitting material	λ_p (nm)	Basic ordering unit	Quantity /package	Quantity /bag	Rank
1.6×2.9	Diffused milky white	SLM-13VW	Red	GaAsP on GaP	650	3,000	3,000	100	○
		SLM-13DW	Orange		610				
		SLM-13YW	Yellow		585				
		SLM-13MW	Green	GaP	563	3,000	3,000	100	○
		SLM-23VDW	Red/Orange	GaAsP on GaP / GaAsP on GaP	650/610				
		SLM-23DYW	Orange/Yellow		610/585				
		SLM-23VMW	Red/Green	GaAsP on GaP / GaP	650/563				
		SLM-23DMW	Orange/Green		610/563				

○ : Semi-standard products

(Unit : mm)



Chip LEDs (SLM · SLN)

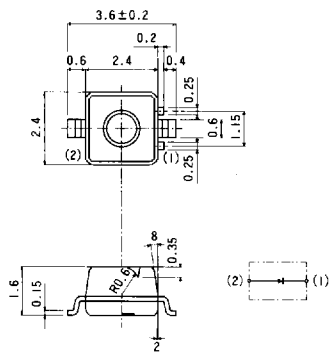
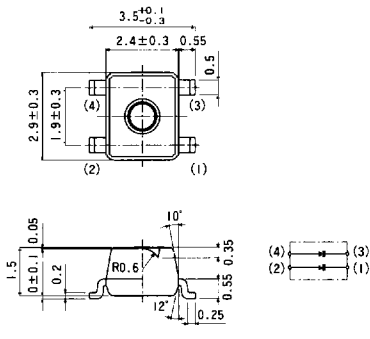
Molded package chip LEDs

●High Luminance Type Surface Mounted LEDs With Lens

Emitter surface size (mm)	Lens	Part No.	Emitting color	Emitting material	λ_p (nm)	Basic ordering unit	Quantity /package	Quantity /bag	Rank
$\phi 1.2$	Diffused milky white	SLM-1251VW	Red	GaAsP on GaP	650	2,500	2,500	2,500	◎
		SLM-1251DW	Orange		610				
		SLM-1251YW	Yellow		585				
		SLM-1251MW	Green	GaP	563				
$\phi 1.2$	Diffused milky white	SLM-245LMW	Red/Green	GaAlAs/GaP	660/563	2,500	2,500	2,500	○

◎ : Standard products ○ : Semi-standard products

(Unit : mm)

SLM-1251	SLM-245
 	 

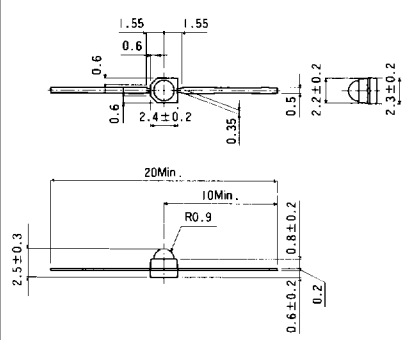
●Mini Molded LEDs

Emitter surface size (mm)	Lens	Part No.	Emitting color	Emitting material	λ_p (nm)	Basic ordering unit	Quantity /package	Quantity /bag	Rank
$\phi 1.8$	Transparent clear	SLN-210LT	Red	GaAlAs	660	1,000	1,000	200	○
		SLN-210VT		GaAsP on GaP	650				
	Colored clear	SLN-210RC		GaP	700				
		SLN-210VC		GaAsP on GaP	650				
	Transparent clear	SLN-210DT	Orange		610				
	Colored clear	SLN-210DC			Yellow				
	Transparent clear	SLN-210YT	GaP	570					
	Colored clear	SLN-210YC		Green					
	Transparent clear	SLN-210MT	GaP		555				
		Colored clear							
		SLN-210PC							

Note : Various taping and forming products are available.

○ : Semi-standard products

(Unit : mm)

SLN-210
 

Packaging

Applicable Types		Quantity/Package (pcs)
Reel taping	SML-010	2,500
	SLM-13/23	3,000
	SLM-1251/245	2,500
Axial taping	SLN-210	2,000

① Chip LED type name

② Taping code

Note: Taping code for SLM-1251 is T86.

Reel taping code

SLM1251LTT86

SLM1251LWT86

SML-010VT

T87

①

②

SLM-1251VW

T87

①

②

SLM-245LMW

T84L

①

②

Axial taping code

SLN-210VC

T12

①

②

Packaging specifications

(Unit: mm)

Taping

SML-010 (T86・T87)

SLM-13/23 (T96・T97)

SLM-1251 (T86・T87)

SLM-245 (T84L)

SLN-210 (T12)

Reel

W	P	L ₂ -L ₁	T ₁	T ₂	Z	R	t	S	H
26 ^{+1.5} ₋₀	5±0.5	1Max.	6	5	1.2Max. (Note)	1	3.2Min.	1.2Max.	2.5Max.

Note : Lead terminals shall not exceed tape edges.