

SML-P24 Series PICOLED™-Duo

1010(0404) 1.0×1.0mm(t=0.2mm)

Features

- ·Ultra compact 2-color type LED 1.0×1.0
- ·Thinnest in the world* t=0.2mm
- ·Low height contributes to the improvement of color mixture

* Investigated Aug. 2009

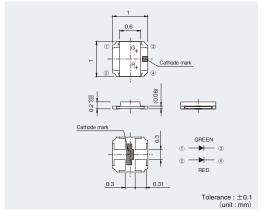


Specifications

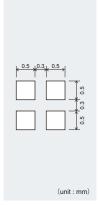
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)						Electrical and Optical Characteristics (Ta=25°C)										
			Power Dissipation PD(mW)	Forward Current IF(mA)	Peak Forward Current IFP(mA)	Reverse Voltage VR(V)		Tomporoturo		/oltage VF IF(mA)	N 4		Domin Min.* ² (nm)				Min	T [nsity Iv IF(mA)
SML-P24MUW	AlGaInP on GaAs	Green	54	20	100 ^{*1}	5	-40 to +85	-40 to +100	2.2	20 100	100	4	569	572	575	20	10	21	20
		Red	52						2.1		100	4	615	620	625	20	25	52	

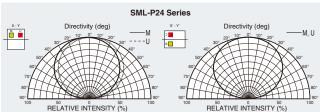
*1:Duty1/10, 1kHz *2:Reference

Dimensions



Recommended Solder Pattern Viewing Angle

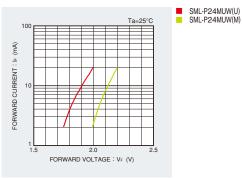




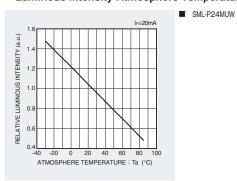
 $^{*\,\}mathsf{PICOLED}^{\mathsf{TM}}\,\mathsf{is}\;\mathsf{ROHM's}\;\mathsf{pending}\;\mathsf{trademark}.$

Electrical Characteristics Curves

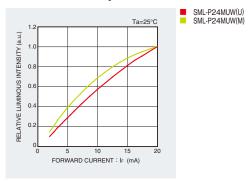
Forward Current-Forward Voltage



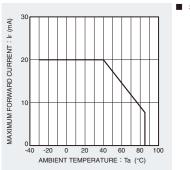
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



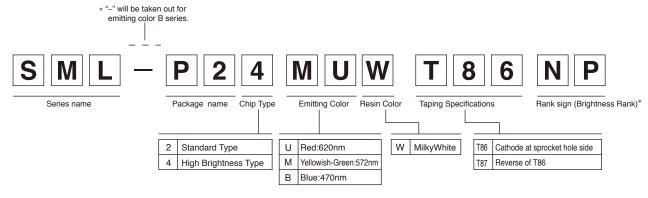
■ SML-P24MUW

Rank Reference of Brightness

SML-P24MUW

												(Ta=25°C,	$I_F=20mA$
ſ		Package	Height	Luminous Intensity (mcd) Emitting Color	K	L	М	N	Р	Q	R	S	T	U
		Package size (mm)	(mm)		4.0 to 6.3	6.3 to 10	10 to 16	16 to 25	25 to 40	40 to 63	63 to 100	90 to 140	140 to 220	220 to 360
	Mini-mold Chip LEDs 1	1010	0.2	Red						U				
			0.2	Yellowish Green				M						

Part No. Construction



- * Concerning the Brightness rank
 Please refer to the rank chart above for luminous intensity classification.
- Part name is individual for each rank.
- When shipped as sample, the part name will be a representative part name.
 General products are free of ranks. Please contact sales if rank appointment is needed.

Packing Specification

ROHM LED products are being shipped with desiccant (silica gel) concluded in moisture-proof bags.

Pasting the moisture sensitive label on the outer surface of the moisture-proof bags or enclosing the humidity indication card inside the bag is available upon request. Please contact the nearest sales office or distributer if necessary.

Notes

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