

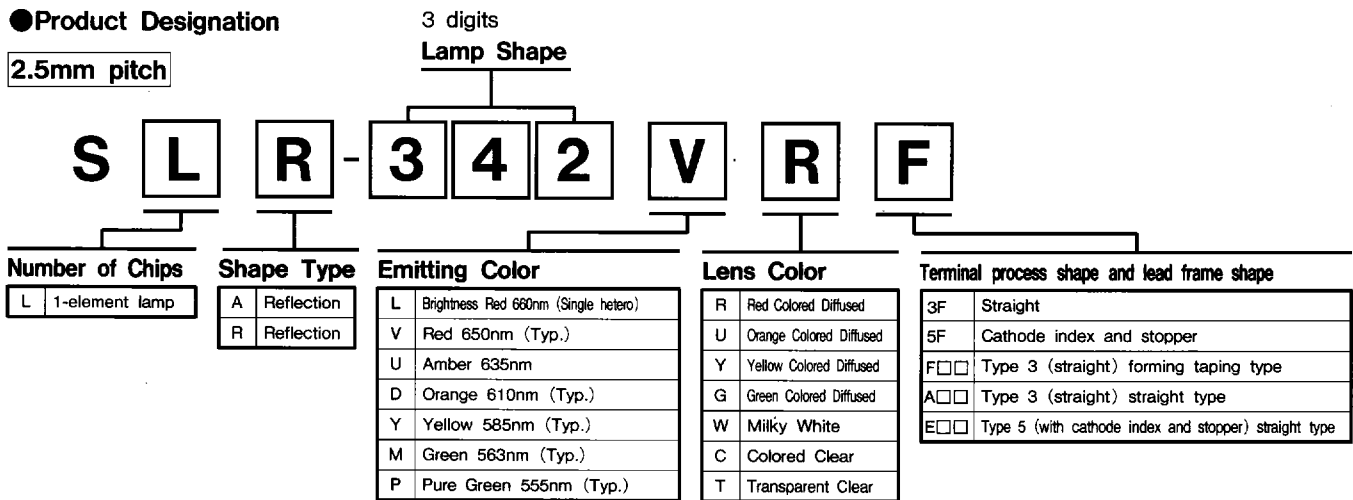
LED Indicator Lamps (SLA · SLR)

Direct mount LED lamps

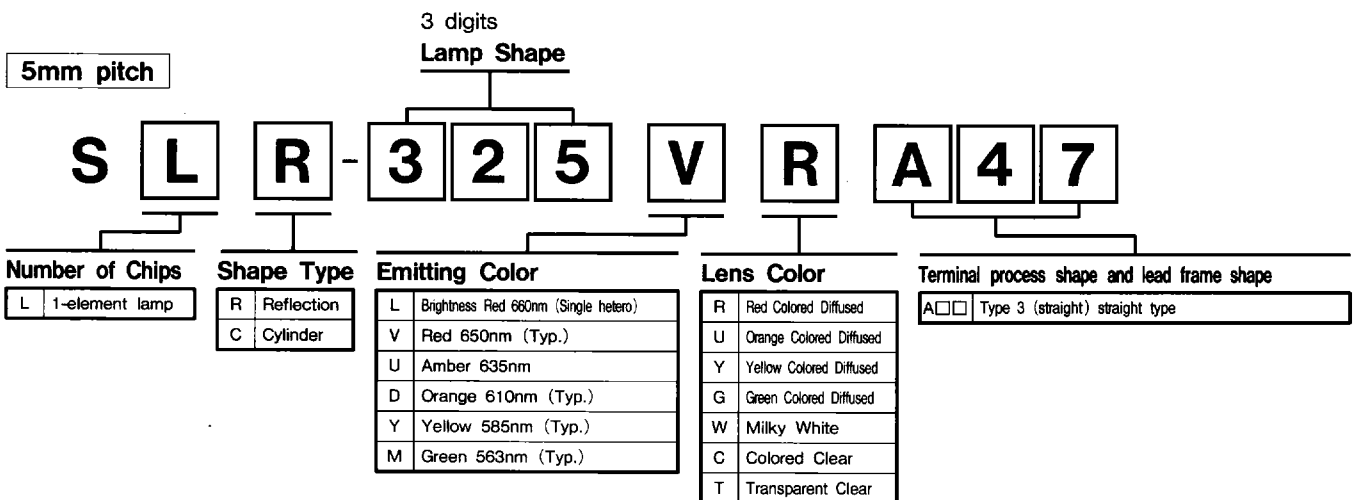
Lead pitch of 2.5mm and 5mm allow direct mount on PCB by using an automatic placement machine.
Direct mount lamps won't fall down.

●Product Designation

2.5mm pitch



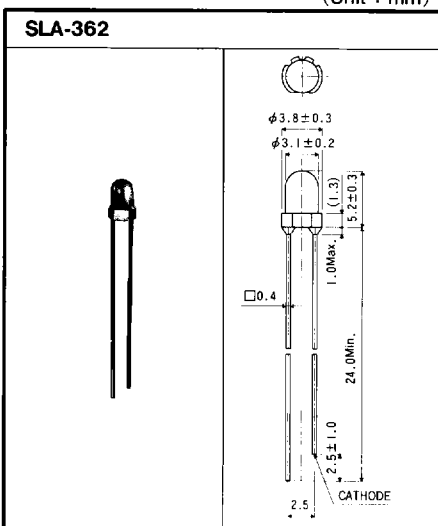
5mm pitch



●High luminance reflector types (SLA)

Emitter surface size (mm)	Lens	Part No.	Emitting color	Emitting material	λ_p (nm)	Basic ordering unit	Quantity /package	Quantity /bag	Rank
$\phi 3$	Transparent clear	SLA-362LT	Red	GaAlAs	660	2,000	2,000	100	○
		SLA-362MT	Green	GaP	563				

(Unit : mm)



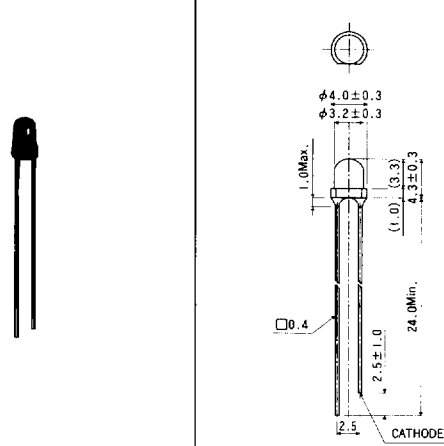
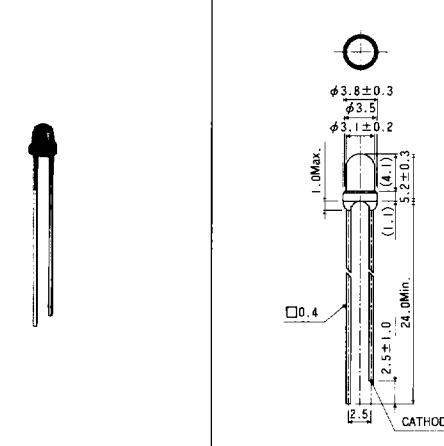
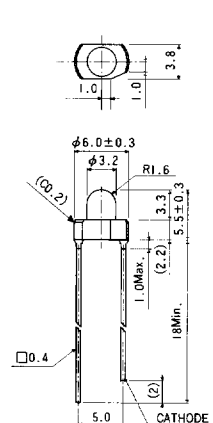
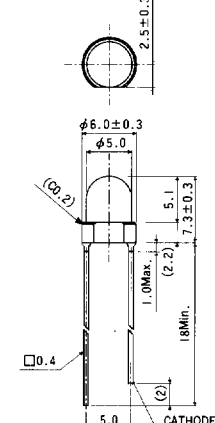
● Reflector types (SLR)

Type	Emitter surface size (mm)	Series name	Lens	Emitting color Emitting material λ_p (nm)	Red		Amber	Orange	Yellow	Green	Pure Green	Basic ordering unit	Quantity / package	Quantity / bag	Rank
					GaAlAs	GaAsP on GaP	GaAsP on GaP	GaAsP on GaP	GaAsP on GaP	GaP	GaP				
Reflector types	$\phi 3.2$	SLR-332	Transparent clear			VT	UT	DT	YT	MT	PT	2,000	2,000	100	◎
			Colored clear			VC		DC	YC	MC	PC				
			Colored diffused			VR		DU	YY	MG					
			Milky white												
	$\phi 3.1$	SLR-342	Transparent clear	LT*3		VT	UT	DT	YT	MT	PT	2,000	2,000	100	◎
			Colored clear	LC*3		VC	UC	DC	YC	MC	PC				
			Colored diffused	LR*3		VR	UR	DU	YY	MG	PG				
			Milky white	LW*3		VW	UW	DW	YW	MW					
	$\phi 3.2$	SLR-325	Transparent clear									2,000 (Straight taping only)	2,000	—	◎
			Colored clear			VC		DC	YC	MC					
			Colored diffused	LR		VR			YY	MG					
			Milky white												
	$\phi 5.0$	SLR-505	Transparent clear									2,000 (Straight taping only)	2,000	—	◎
			Colored clear			VC		DC		MC					
			Colored diffused	LR		VR			YY	MG					
			Milky white												

Note : *3 Need a certain lead time for delivery.

◎ : Standard products

(Unit : mm)

SLR-332		SLR-342	
			
SLR-325		SLR-505	
			

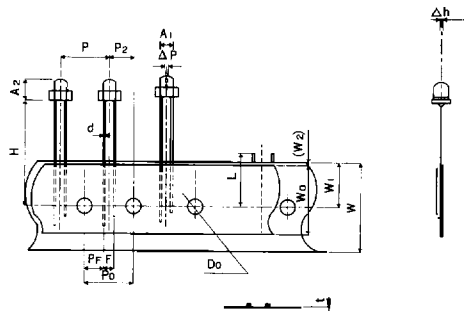
●Taping condition

Applicable types	Quantity / Package (pcs)
SLA-362	2000
SLC-325 / 505	
SLR-325 / 332 / 342 / 505	

●Taping specifications

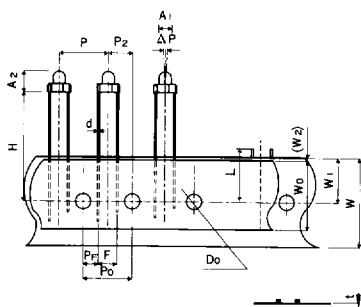
Straight type (Lead pitch : 2.5mm)

φ3 Type

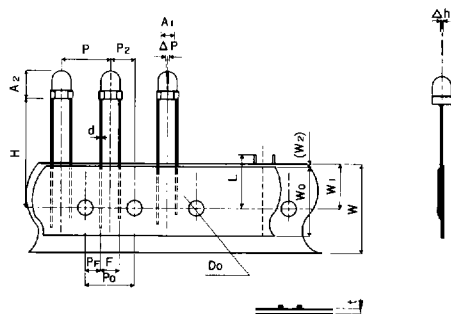


Straight type (Lead pitch : 5mm)

φ3 Type



φ5 Type



(Unit : mm)

(Unit : mm)

Item	Symbol	Straight type (Lead pitch : 2.5mm)	Straight type (Lead pitch : 5.0mm)		Remarks
		φ3 Type	φ3 Type	φ5 Type	
Luminous emitting surface	A ₁	※	φ3.2±0.2	φ5.0±0.2	Dimensions vary with type
Body length	A ₂	※	※	※	
Inter-unit pitch	P	12.7±1.0	12.7±1.0		
Feed hole pitch	P ₀	12.7±0.3	12.7±0.3		
Feed hole position (1)	P ₂	6.35±0.4	6.35±0.4		
Accumulated feed hole pitch error	P20	1.0Max.	1.0Max.		As per 20 holes
Lead diameter	d	□0.4±0.1	□0.4±0.1		Not including burrs
Lead-to-lead distance	F	2.5±0.8	5.0±0.8		
Unit height	H	※	18.0±1.0		
Base tape width	W	18.0	18.0		
Top film width	W ₀	13.0±0.3	13.0±0.3		
Feed hole position (2)	W ₁	9.0±0.5	9.0±0.5		
Top film position	W ₂	0~0.5	0~0.5		
Base tape thickness	t	0.7±0.2	0.7±0.2		
Unit tilt (1)	Δh	0±1.0	0±1.0		
Unit tilt (2)	ΔP	0±0.5	0±0.5		
Defective unit cutoff position	L	11.0Max.	11.0Max.		
Frame position	P _F	5.1±0.8	3.85±0.8		
Feed hole diameter	D ₀	φ4.0±0.2	φ4.0±0.2		

Note : *See dimension of each product

LED Indicator Lamps (SLA)

Ultra-high Luminance LEDs

ROHM ultra-high luminance LED lamps are divided into three types in terms of directivity and have a wide range of applications, e.g. on-vehicle devices (indicator, high mount stop lamp) and outdoor use (signs on road and station and advertisements).

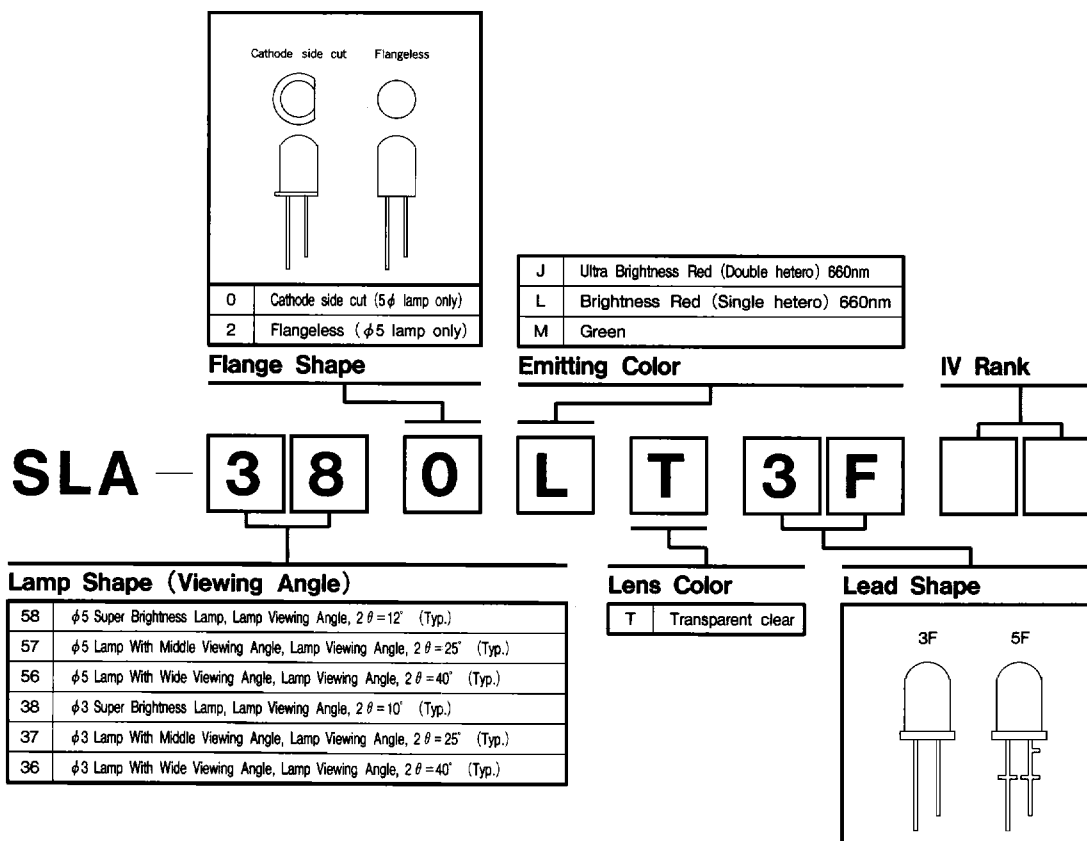
●High luminance reflector types (SLA)

	Emitter surface size (mm)	Lens	Part No.	Emitting color	Emitting material	λ_p (nm)	Basic ordering unit	Quantity / package	Quantity / bag	Rank
Ultra-high luminance	$\phi 3$	Transparent clear	SLA-380LT/JT *3	Red	GaAlAs	660	2,000	2,000	100	○
			SLA-380MT *3	Green	GaP	563				
	$\phi 5$	Transparent clear	SLA-580LT/JT *3	Red	GaAlAs	660	1,000	1,000	100	○
			SLA-580MT *3	Green	GaP	563				
			SLA-582LT/JT *3	Red	GaAlAs	660				
High luminance (Medium directivity)	$\phi 3$	Transparent clear	SLA-370LT/JT *3	Red	GaAlAs	660	2,000	2,000	100	○
			SLA-370MT *3	Green	GaP	563				
	$\phi 5$	Transparent clear	SLA-570LT/JT *3	Red	GaAlAs	660	1,000	1,000	100	○
			SLA-570MT *3	Green	GaP	563				
			SLA-572LT/JT *3	Red	GaAlAs	660				
High luminance (Wide directivity)	$\phi 3$	Transparent clear	SLA-360LT/JT *3	Red	GaAlAs	660	2,000	2,000	100	○
			SLA-360MT *3	Green	GaP	563				
	$\phi 5$	Transparent clear	SLA-560LT/JT *3	Red	GaAlAs	660	1,000	1,000	100	○
			SLA-560MT *3	Green	GaP	563				
			SLA-562LT/JT *3	Red	GaAlAs	660				
			SLA-562MT *3	Green	GaP	563				


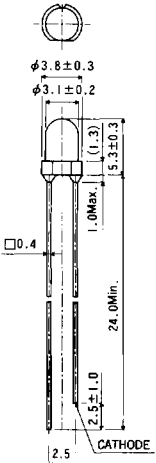

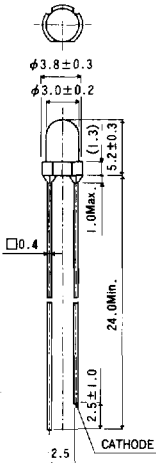

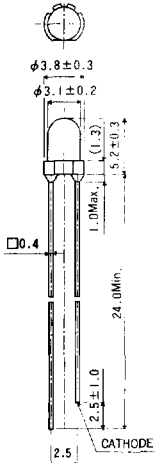

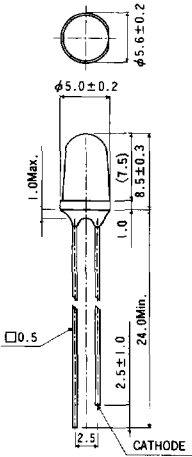

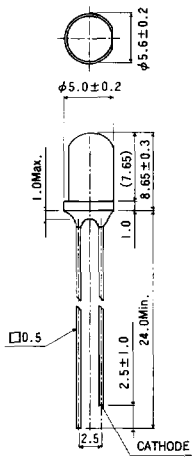

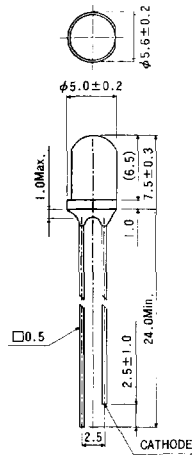
Note : *3 Need a certain lead time for delivery.

○ : Semi-standard products

●Product Designation



(Unit : mm)

<p>SLA-380</p> 	 <p> $\phi 3.8 \pm 0.3$ $\phi 3.1 \pm 0.2$ 1.0Max. 5.3 ± 0.3 0.4 2.5 ± 1.0 24.0Min. 2.5 CATHODE </p>	<p>SLA-370</p> 	 <p> $\phi 3.8 \pm 0.3$ $\phi 3.0 \pm 0.2$ 1.0Max. 5.2 ± 0.3 0.4 2.5 ± 1.0 24.0Min. 2.5 CATHODE </p>	<p>SLA-360</p> 	 <p> $\phi 3.8 \pm 0.3$ $\phi 3.1 \pm 0.2$ 1.0Max. 5.2 ± 0.3 0.4 2.5 ± 1.0 24.0Min. 2.5 CATHODE </p>
<p>SLA-580</p> 	 <p> $\phi 5.6 \pm 0.2$ $\phi 5.0 \pm 0.2$ 1.0Max. (7.5) 8.5 ± 0.3 1.0 2.5 ± 1.0 24.0Min. 0.5 2.5 CATHODE </p>	<p>SLA-570</p> 	 <p> $\phi 5.6 \pm 0.2$ $\phi 5.0 \pm 0.2$ 1.0Max. (7.65) 8.65 ± 0.3 1.0 2.5 ± 1.0 24.0Min. 0.5 2.5 CATHODE </p>	<p>SLA-560</p> 	 <p> $\phi 5.6 \pm 0.2$ $\phi 5.0 \pm 0.2$ 1.0Max. (6.5) 7.5 ± 0.3 1.0 2.5 ± 1.0 24.0Min. 0.5 2.5 CATHODE </p>

LED Indicator Lamps

LED

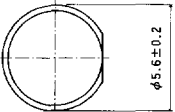
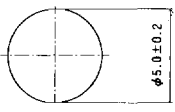
Taping condition

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Taping Specifications

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Shape of the flange

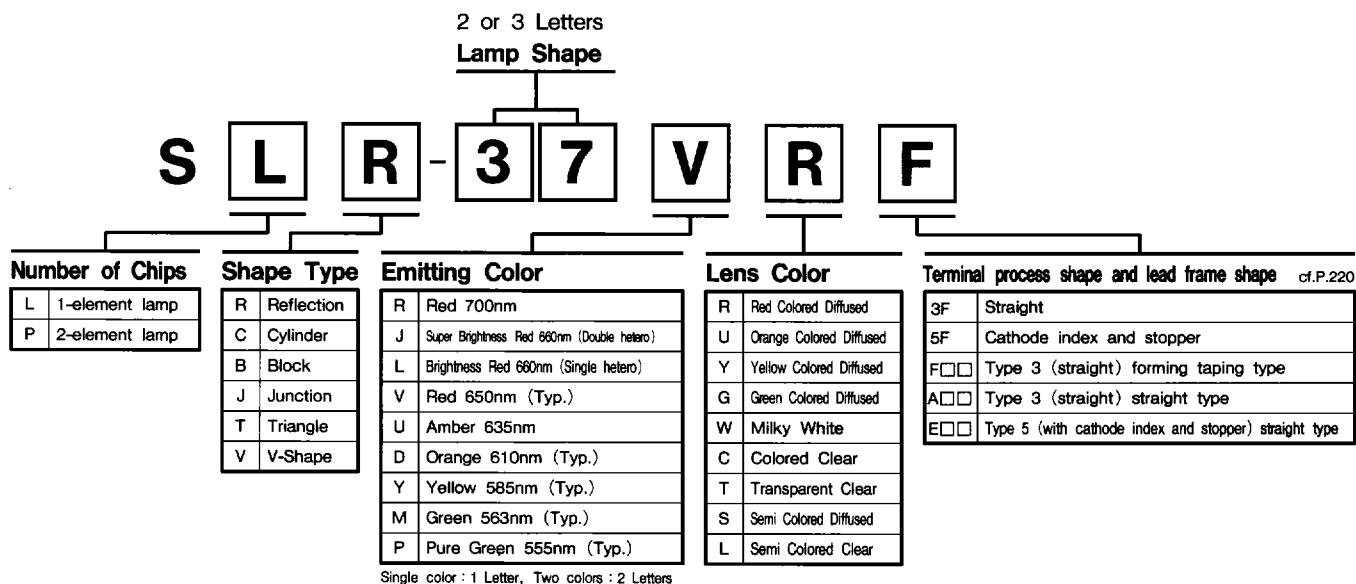
<p>SLA-5□0</p>  <p>$\phi 5.6 \pm 0.2$</p> <p>Flange cut off on the cathode side</p>	<p>SLA-5□2</p>  <p>$\phi 5.0 \pm 0.2$</p> <p>Straight (no flange)</p>
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LED Indicator Lamps (SLR)

High luminance LED lamps

A wide range of product types are available including reflective lamps, block types and in various shapes. The applications include pilot, bar display, flat illumination display, backlight, etc.

●Product Designation





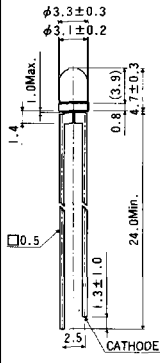


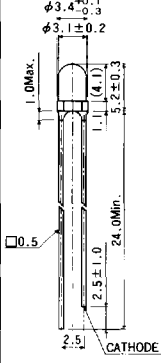


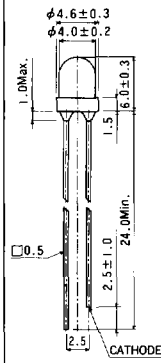


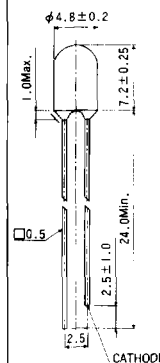

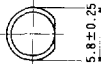
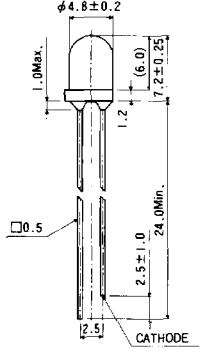


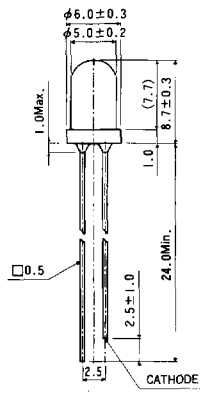


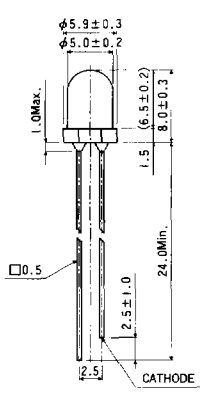


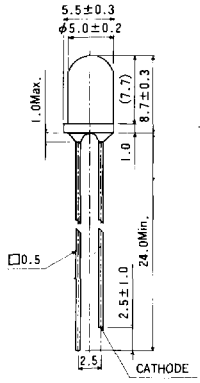


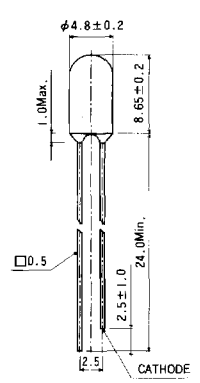

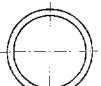
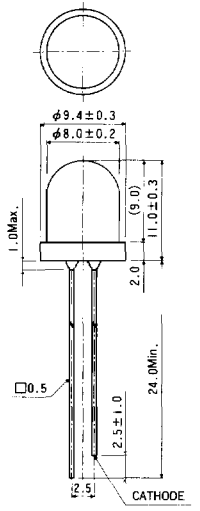
●Reflector types (SLR)

Type	Emitter surface size (mm)	Series name	Lens	Emitting color Emitting material λ p (nm)	Red		Amber	Orange	Yellow	Green	Pure Green	Basic ordering unit	Quantity /package	Quantity /bag	Rank
					GaAlAs 660	GaAsP on GaP 650	GaAsP on GaP 635	GaAsP on GaP 610	GaAsP on GaP 585	GaP 563	GaP 555				
Reflector types	φ 3.1	SLR-37	Transparent clear	LT*3		VT	UT	DT*3	YT	MT		2,000	2,000	100	○
			Colored clear			VC	UC	DC	YC	MC					
			Colored diffused			VR	UR	DU	YY	MG	PG				
			Milky white												
	φ 3.1	SLR-38	Transparent clear							MT		2,000	2,000	100	○
			Colored clear			VC		DC		MC					
			Colored diffused			VR			YY	MG					
			Milky white												
	φ 4.0	SLR-40	Transparent clear									1,000	1,000	100	○
			Colored clear			VC		DC	YC	MC					
			Colored diffused			VR	UR	DU	YY	MG					
			Milky white												
	φ 4.8	SLR-47	Transparent clear									1,000	1,000	100	○
			Colored clear			VC				MC					
			Colored diffused			VR		DU	YY	MG					
			Milky white												
	φ 4.8	SLR-48	Transparent clear									1,000	1,000	100	○
			Colored clear												
			Colored diffused			VR			YY	MG					
			Milky white												
	φ 5.0	SLR-54	Transparent clear			VT	UT	DT	YT	MT	PT	1,000	1,000	100	◎
			Colored clear			VC		DC	YC	MC	PC				
			Colored diffused			VR	UR	DU	YY	MG					
			Milky white			VW	UW	DW	YW	MW					
	φ 5.0	SLR-55	Transparent clear			VT		DT	YT	MT		1,000	1,000	100	○
			Colored clear			VC		DC	YC	MC	PC				
			Colored diffused			VR		DU	YY	MG					
			Milky white			VW		DW	YW	MW					
	φ 5.0	SLR-56	Transparent clear	LT*3		VT	UT			MT		1,000	1,000	100	◎
			Colored clear			VC		DC	YC	MC	PC				
			Colored diffused			VR	UR	DU	YY	MG	PG				
			Milky white			VW	UW	DW	YW	MW					
	φ 4.8	SLR-57	Transparent clear							MT		1,000	1,000	100	○
			Colored clear			VC		DC	YC	MC					
			Colored diffused			VR	UR	DU	YY	MG					
			Milky white			VW				MW					
	φ 8.0	SLR-80	Transparent clear									500	500	50	○
			Colored clear												
			Colored diffused			VR*3		DU*3	YY*3	MG*3					
			Milky white												

Note : *3 Need a certain lead time for delivery.

◎ : Standard products ○ : Semi-standard products

(Unit : mm)

SLR-37	SLR-38	SLR-40	SLR-47
  	  	  	  
SLR-48	SLR-54	SLR-55	
  	  	  	
SLR-56	SLR-57	SLR-80	
  	  	  	

LED Indicator Lamps

LED

Taping condition

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Taping specifications

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LED Indicator Lamps (SLR · SLV · SLC)

High luminance LED lamps




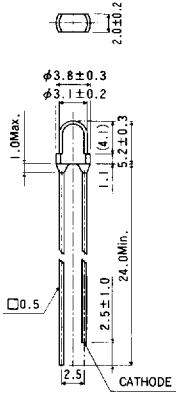
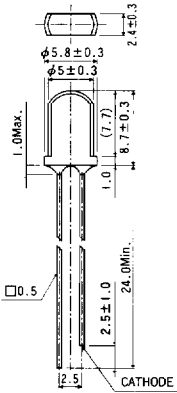
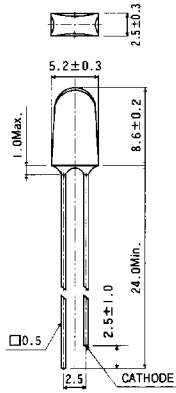
● Flat disc types (SLR)

Type	Emitter surface size (mm)	Series name	Lens	Emitting color		Red		Amber	Orange	Yellow	Green	Pure Green	Basic ordering unit	Quantity /package	Quantity /bag	Rank
						GaAlAs	GaAsP on GaP	GaAsP on GaP	GaAsP on GaP	GaAsP on GaP	GaP	GaP				
Flat disc types	φ3.1	SLR-320	Transparent clear	LT*3	VT				DT	YT	MT	PT	2,000	2,000	100	○
			Colored clear		VC				DC	YC	MC	PC				
			Colored diffused		VR		UR		DU	YY	MG	PG				
			Milky white													
	φ5.0	SLR-520	Transparent clear		VT*3				DT*3	YT*3	MT*3		1,000	1,000	100	○
			Colored clear		VC				DC	YC	MC					
			Colored diffused		VR						MG					
			Milky white													
	φ5.0	SLR-521	Transparent clear										1,000	1,000	100	○
			Colored clear													
			Colored diffused	LS*3							MS					
			Milky white													

Note : *3 Need a certain lead time for delivery.

○ : Semi-standard products

(Unit : mm)

SLR-320		SLR-520		SLR-521	
					
					



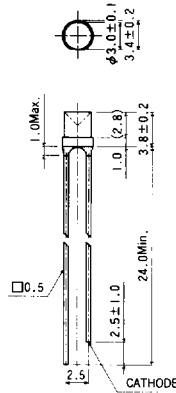
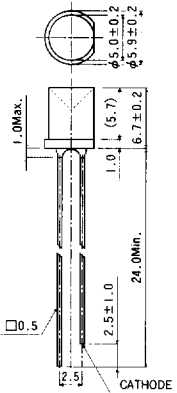
● Inverted cone types (SLV)

Type	Emitter surface size (mm)	Series name	Lens	Emitting color		Red		Amber	Orange	Yellow	Green	Pure Green	Basic ordering unit	Quantity /package	Quantity /bag	Rank
						GaAlAs	GaAsP on GaP	GaAsP on GaP	GaAsP on GaP	GaAsP on GaP	GaP	GaP				
Inverted cone types	φ3.0	SLV-31	Transparent clear	LT*3	VT				DT	YT	MT		2,000	2,000	100	○
			Colored clear		VC				DC	YC	MC	PC				
			Colored diffused													
			Milky white													
	φ5.0	SLV-56	Transparent clear	LT*3	VT				DT	YT	MT		1,000	1,000	100	○
			Colored clear		VC				DC	YC	MC	PC				
			Colored diffused													
			Milky white													

Note : *3 Need a certain lead time for delivery.

○ : Semi-standard products

(Unit : mm)

SLV-31		SLV-56	
			
			

Cylindrical types (SLC)

Type	Emitter surface size (mm)	Series name	Lens	Emitting color Emitting material λ_p (nm)	Red		Amber	Orange	Yellow	Green	Pure Green	Basic ordering unit	Quantity /package	Quantity /bag	Rank
					GaAlAs 660	GaAsP on GaP 650	GaAsP on GaP 635	GaAsP on GaP 610	GaAsP on GaP 585	GaP 563	GaP 555				
Cylindrical types	$\phi 2.0$	SLC-22	Transparent clear									2,000	2,000	100	○
			Colored clear												
			Colored diffused			VR	UR	DU	YY	MG					
			Milky white			VW		DW	YW	MW					
	$\phi 2.5$	SLC-26	Transparent clear									1,000	1,000	100	○
			Colored clear												
			Colored diffused			VR	UR	DU	YY	MG					
			Milky white			VW	UW	DW	YW	MW					
	$\phi 4.7$	SLC-50	Transparent clear	LT*3								1,000	1,000	100	○
			Colored clear												
			Colored diffused												
			Milky white	LW*3		VW		DW	YW	MW					

Note : *3 Need a certain lead time for delivery .

○ : Semi-standard products

(Unit : mm)

SLC-22	SLC-26	SLC-50

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LED Indicator Lamps (SLB)


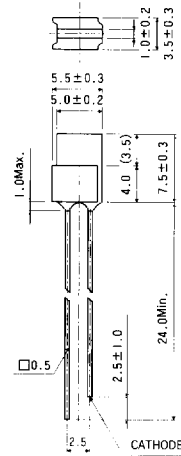

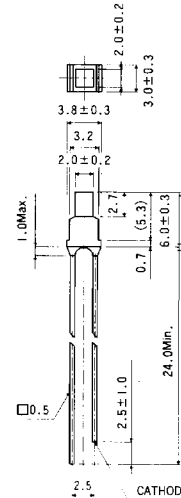

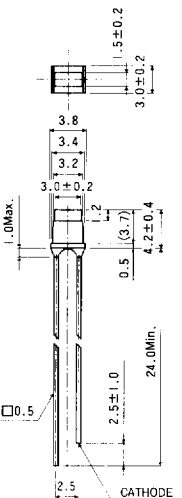
High luminance LED lamps

●Rectangular types (SLB)

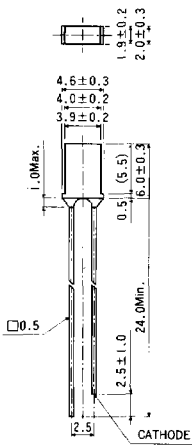

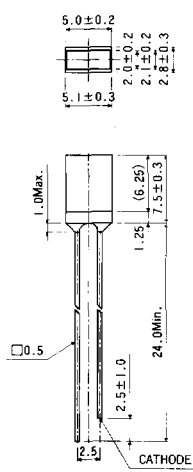

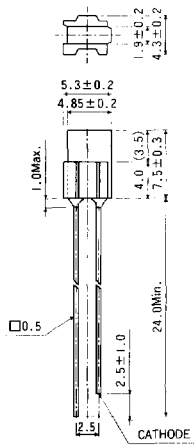

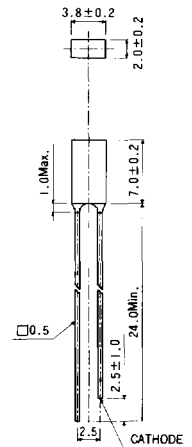

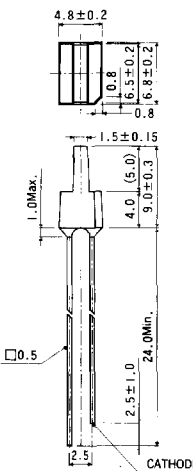

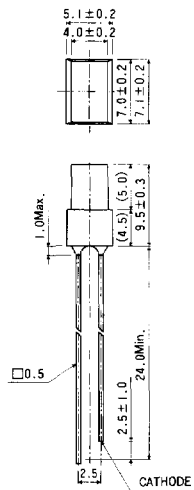

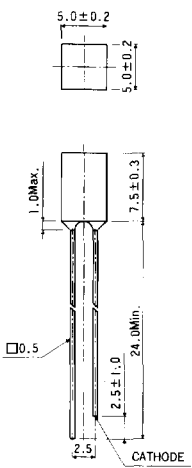

Type	Emitter surface size (mm)	Series name	Lens	Emitting color	Red		Amber	Orange	Yellow	Green	Pure Green	Basic ordering unit	Quantity /package	Quantity /bag	Rank
				Emitting materials	GaAlAs	GaAsP on GaP	GaAsP on GaP	GaAsP on GaP	GaAsP on GaP	GaP	GaP				
				λ p (nm)	660	650	635	610	585	563	555				
Rectan- gular types	1×5	SLB-15	Transparent clear									1,000	1,000	100	○
			Colored clear												
			Colored diffused		VR	UR	DU	YY	MG	PG					
			Milky white		VW		DW	YW	MW						
	2×2	SLB-22	Transparent clear									2,000	2,000	100	○
			Colored clear												
			Colored diffused		VR	UR	DU	YY	MG						
			Milky white						PW						
	1.5×3	SLB-23	Transparent clear									2,000	2,000	100	○
			Colored clear												
			Colored diffused		VR	UR	DU	YY	MG						
			Milky white												
	1.9×4	SLB-24	Transparent clear									2,000	2,000	100	◎
			Colored clear												
			Colored diffused		VR		DU	YY	MG						
			Milky white												
	2×5	SLB-25	Transparent clear									1,000	1,000	100	◎
			Colored clear												
			Colored diffused		VR/VRD	UR	DU	YY/YYD	MG	PGD					
			Milky white												
	1.9×4.85	SLB-26	Transparent clear									1,000	1,000	100	○
			Colored clear												
			Colored diffused		VR	UR	DU	YY	MG						
			Milky white		VW	UW	DW	YW	MW						
	2×3.8	SLB-27	Transparent clear									1,000	1,000	100	○
			Colored clear												
			Colored diffused		VR		DU	YY	MG						
			Milky white												
	1.5×6.5	SLB-72	Transparent clear									1,000	1,000	100	○
			Colored clear												
			Colored diffused		VRD	URD	DUD	YYD	MGD						
			Milky white												
	4×7	SLB-74	Transparent clear									1,000	500	100	○
			Colored clear												
			Colored diffused		VRD	URD		YYD	MGD						
			Milky white												
	5×5	SLB-55	Transparent clear									1,000	1,000	100	◎
			Colored clear												
			Colored diffused		VR	UR	DU	YY	MG						
			Milky white												

◎ : Standard products ○ : Semi-standard products

(Unit : mm)

SLB-15	SLB-22	SLB-23
 	 	 

(Unit : mm)

<div>SLB-24</div> <div></div>	<div>SLB-25</div> <div></div>	<div>SLB-26</div> <div></div>
<div>SLB-27</div> <div></div>	<div>SLB-72</div> <div></div>	<div>SLB-74</div> <div></div>
<div>SLB-55</div> <div></div>		

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LED Indicator Lamps (SLT · SLJ · SPR · SPB)

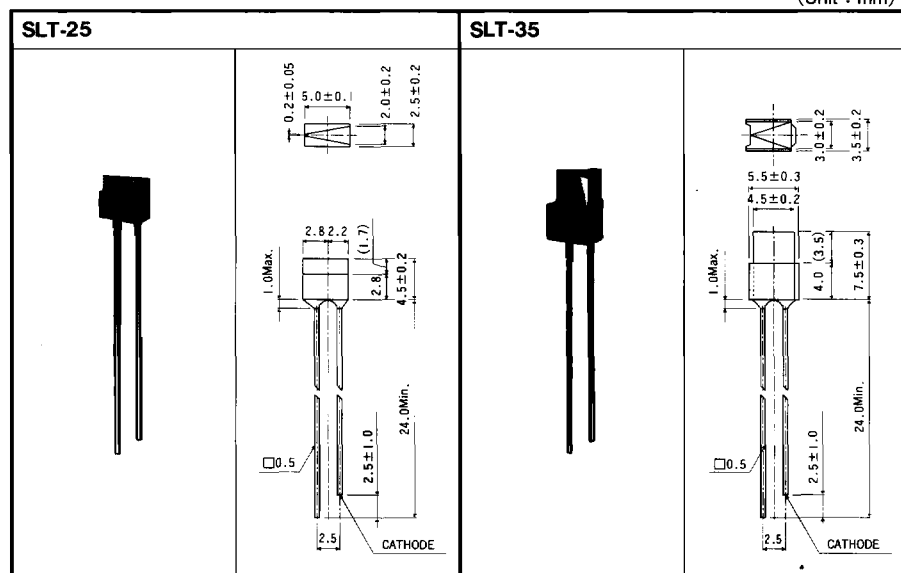
High luminance LED lamps

●Triangular types (SLT)

Type	Emitter surface size (mm)	Series name	Lens	Emitting color Emitting material λ p (nm)	Red		Amber	Orange	Yellow	Green	Pure Green	Basic ordering unit	Quantity /package	Quantity /bag	Rank
					GaAlAs	GaAsP on GaP	GaAsP on GaP	GaAsP on GaP	GaAsP on GaP	GaP	GaP				
Triangular types	2×5	SLT-25	Transparent clear		660							1,000	1,000	100	○
			Colored clear												
			Colored diffused			VR		DU	YY	MG					
			Milky white												
	3×4.5	SLT-35	Transparent clear									1,000	1,000	100	○
			Colored clear												
			Colored diffused			VR	UR	DU	YY	MG					
			Milky white			VW		DW	YW	MW					

○ : Semi-standard products

(Unit : mm)



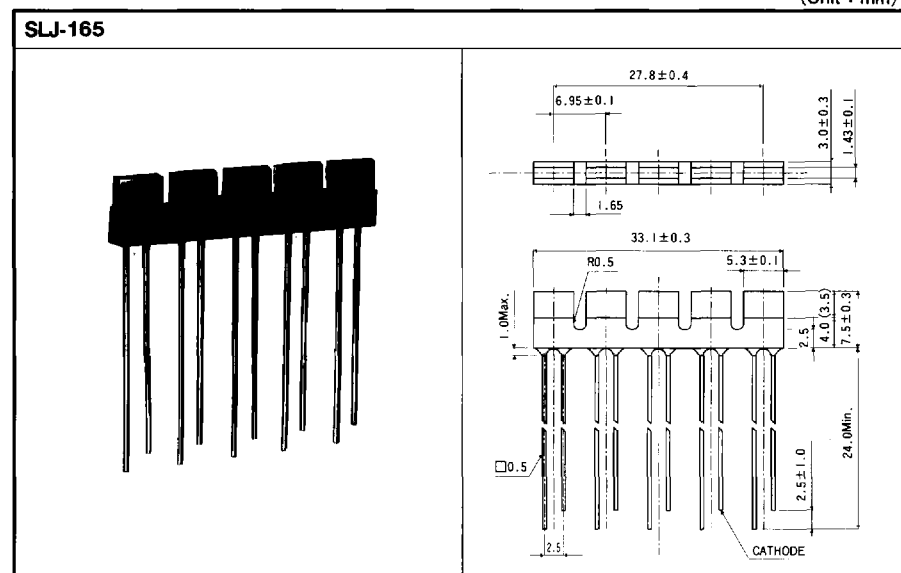
●Multiple type (SLJ)

Type	Emitter surface size (mm)	Series name	Lens	Emitting color Emitting material λ p (nm)	Red		Amber	Orange	Yellow	Green	Pure Green	Basic ordering unit	Quantity /package	Quantity /bag	Rank
					GaAlAs	GaAsP on GaP	GaAsP on GaP	GaAsP on GaP	GaAsP on GaP	GaP	GaP				
Multiple type	1.4×5.3×5	SLJ-165	Transparent clear		660							1,000	200	20	○
			Colored clear												
			Colored diffused			VRD*3	URD*3	DUD*3	YYD*3	MGD*3					
			Milky white												

Note : *3 Need a certain lead time for delivery.

○ : Semi-standard products

(Unit : mm)



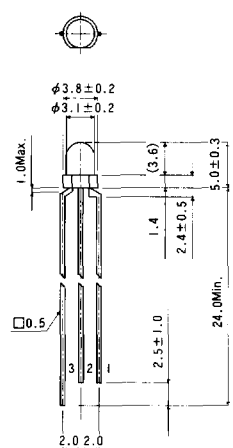
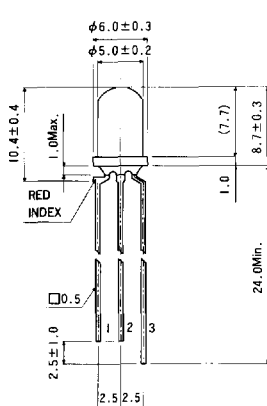


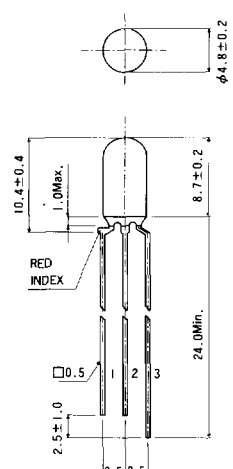
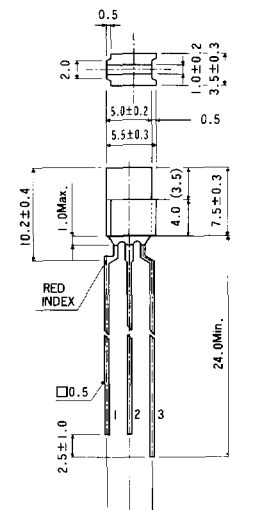


Two-chip LEDs (SPR・SPB)

Type	Emitter surface size (mm)	Lens	Part No.	Emitting color	Emitting material	λ_p (nm)	Basic ordering unit	Quantity /package	Quantity /bag	Rank
Two-chip light emission	$\phi 3.1$	Milky white	SPR-39MVW	Red	GaAsP on GaP	650	1,000	1,000	100	○
				Green	GaP	563				
	$\phi 5$	Milky white	SPR-54MVW	Red	GaAsP on GaP	650	1,000	1,000	100	○
				Green	GaP	563				
	$\phi 4.8$	Milky white	SPR-57MVW	Red	GaAsP on GaP	650	1,000	1,000	100	○
				Green	GaP	563				
	1×5	Milky white	SPB-15MVW	Red	GaAsP on GaP	650	1,000	1,000	100	○
				Green	GaP	563				
	2×5	Milky white	SPB-25MVW	Red	GaAsP on GaP	650	1,000	1,000	100	○
				Green	GaP	563				
	1.9×4.9	Milky white	SPB-26MVW	Red	GaAsP on GaP	650	1,000	1,000	100	○
				Green	GaP	563				
	2×2	Milky white	SPB-221MVW/PVW	Red	GaAsP on GaP	650	1,000	1,000	100	○
				Green / Pure Green	GaP	563 / 555				

○ : Semi-standard products

(Unit : mm)

SPR-39MVW		SPR-54MVW	
			
 <p>1 : ANODE RED 2 : CATHODE 3 : ANODE GREEN</p>		 <p>1 : ANODE RED 2 : CATHODE 3 : ANODE GREEN</p>	
SPR-57MVW		SPB-15MVW	
			
 <p>1 : ANODE RED 2 : CATHODE 3 : ANODE GREEN</p>		 <p>1 : ANODE RED 2 : CATHODE 3 : ANODE GREEN</p>	

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●Two-chip LEDs (SPB)

(Unit : mm)

(Unit : mm)

SPB-25MVW

1 : ANODE RED
2 : CATHODE
3 : ANODE GREEN

SPB-26MVW

1 : ANODE RED
2 : CATHODE
3 : ANODE GREEN

SPB-221MVW SPB-221PVW

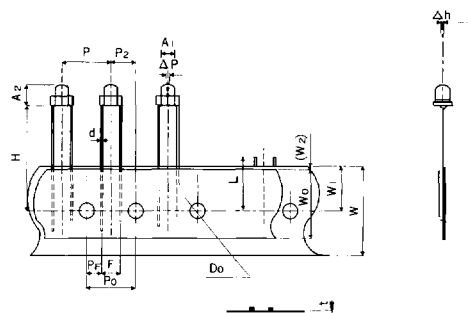
1 : ANODE RED
2 : CATHODE
3 : ANODE GREEN

●Taping condition

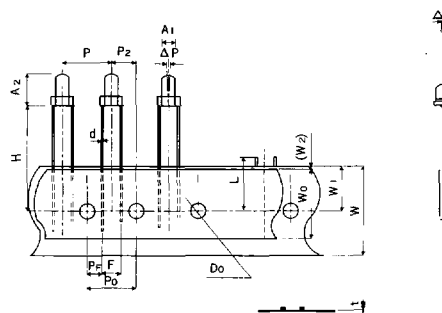
Applicable types	Quantity / Package (pcs)
SLA-580	2,000
SLB-25 / 55	
SLR-320 / 37 / 40 / 54 / 55 / 56	

●Taping specifications

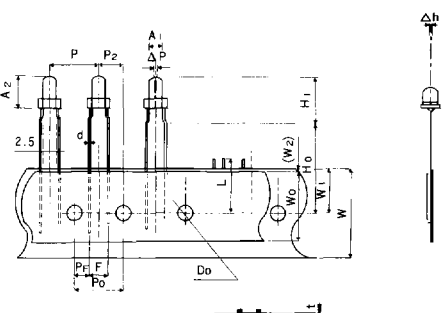
Straight Type



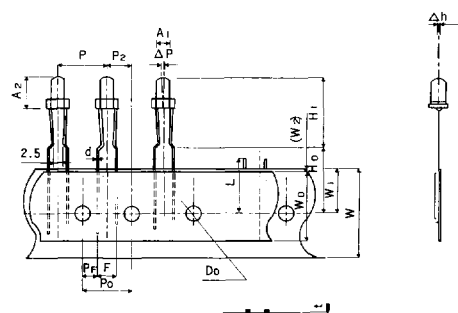
$\phi 5$ Type



Forming Type



$\phi 5$ Type



(Unit : mm)

Item	Symbol	Straight Lead		Formed lead		Remarks
		$\phi 3$ Type	$\phi 5$ Type	$\phi 3$ Type	$\phi 5$ Type	
Luminous emitting surface	A ₁	$\phi 3.1 \pm 0.2$	$\phi 5.0 \pm 0.2$	$\phi 3.1 \pm 0.2$	$\phi 5.0 \pm 0.2$	Dimensions vary with type
Body length	A ₂	5.2 ± 0.3	8.7 ± 0.3	5.2 ± 0.3	8.7 ± 0.3	
Inter-unit pitch	P	12.7 ± 1.0		12.7 ± 1.0		
Feed hole pitch	P ₀	12.7 ± 0.3		12.7 ± 0.3		
Feed hole position (1)	P ₂	6.35 ± 0.4		6.35 ± 0.4		
Accumulated feed hole pitch error	P20	1.0Max.		1.0Max.		As per 20 holes
Lead diameter	d	$\square 0.5 \pm 0.1$		$\square 0.5 \pm 0.1$		Not including burrs
Lead-to-lead distance	F	2.5 ± 0.8		5.0 ± 0.8		
Lead clinch height	H ₀	—		16.0 ± 0.5		
Clinch angle	θ	—		$0 \pm 15^\circ$		
Unit height	H/H ₁	※	※	※	※	
Base tape width	W	18.0		18.0		
Top film width	W ₀	13.0 ± 0.3		13.0 ± 0.3		
Feed hole position (2)	W ₁	9.0 ± 0.5		9.0 ± 0.5		
Top film position	W ₂	0~0.5		0~0.5		
Base tape thickness	t	0.7 ± 0.2		0.7 ± 0.2		
Unit tilt (1)	Δh	0 ± 1.0		0 ± 1.0		
Unit tilt (2)	ΔP	0 ± 0.5		0 ± 0.5		
Defective unit cutoff position	L	11.0Max.		11.0Max.		
Frame position	P _F	5.1 ± 0.8		3.85 ± 0.8		
Feed hole diameter	D ₀	$\phi 4.0 \pm 0.2$		$\phi 4.0 \pm 0.2$		

Note : ※ See dimension of each product

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