

SLOAN AG
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E-Mail: sloan@sloan-basel.com
www.sloan-basel.com

T1 LED's
unbased

T1 Leuchtdioden
ungesockelt

T1 Diodes lumineuses
sans socle

All specifications according to information from our manufacturers,
without additional guarantee on our part.
Further types on request.

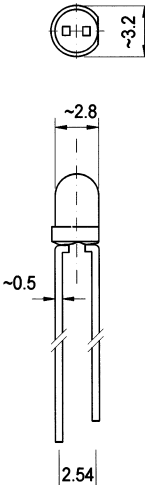
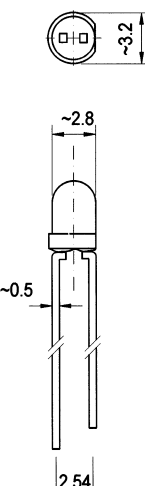
Alle Spezifikationen basieren auf Angaben unserer Lieferanten,
ohne zusätzliche Garantie unsererseits.
Weitere Typen auf Anfrage.

Toutes les spécifications selon indications de nos fabricants,
sans garantie supplémentaire de notre part.
Autres types sur demande.

L3
No. 30, 31



Actual size
Grösse 1:1
Echelle 1:1

Package dimensions All dimensions are in millimeters	No.	Emitted colour	① Epoxy of LED	Electro-optical characteristics										Ta = 25°C	Price-code Preis-Code Code de prix	Type Typ Type	Resistor								
				Peak Wave-length λp nm	Operat. Temp. °C	Stor. Temp. °C	Luminous intensity I _v			Forward voltage V _F			Widerstand												
							Viewing Angle	Typ. mcd	I _F mA	Typ. V	Max. V	I _F mA	Résistance												
													Code				V	mA							
Quality acc. to MIL-Spec. 	30	Red	TL	650	- 30	- 30	28°	2.0	20	1.7	2.0	20			R300	O	without ohne sans								
		Rot	CP	660			28°	60							G300				A	5	20				
		Rouge	TL					48														R310	G310	B	12
		Green	TL	555			40°	4.0	20	2.1	2.5	20			G320	C	18	20							
			Grün				CP	40°											15	Y300	D	24	20		
			Vert				TL	565											16°					8.0	Y310
		Yellow	TL	580			+ 85	+ 100	40°	14	20	2.2	2.5	20			Y320	F	32	18					
			Gelb		CP	28°			12	A300											G	36	15		
			Jaune		TL	18°			18															A310	H
		Amber	TL	605	28°	12			20	2.2	2.5	20			A320										
			Orange		CP	28°														24	A310	H	42	12	
			Orange		TL	28°														18					A310
			31	Red Rot Rouge	TL	700	- 40 + 85	- 40 + 100	40°	8.0	20	2.2	2.6	20			R301								
				Green	TL	568			40°	40							2.2				2.6	G301			
				Yellow		585			40°	30													2.1	2.6	Y301
				Amber		635				4.5															

Other V/mA combinations on request
Andere V/mA Kombinationen auf Wunsch
Autres V/mA combinations sur demande

① CP clear transparent / water clear
TP transparent / colour clear
WL white translucent / white diffused
TL translucent / colour diffused

CP transparent klar
TP farbig transparent
WL weiss durchscheinend
TL farbig durchscheinend

CP transparent clair
TP transparent coloré
WL transparent blanc
TL transparent coloré

Many LED's are available in CP/TP/WL/TL
Viele LED sind in CP/TP/WL/TL erhältlich
Plusieurs diodes sont livrables en CP/TP/WL/TL

Order-code
Bestell-code
Code de commande

L3- ☐ ☐ ☐ ☐ ☐

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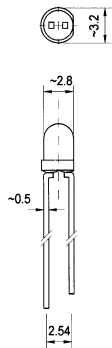
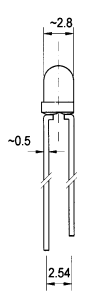
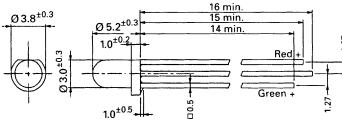
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Weitere Typen auf Anfrage.

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Autres types sur demande.

L3
No. 35-37



Actual size
Grösse 1:1
Echelle 1:1

Package dimensions All dimensions are in millimeters	No.	Emitted colour	① Epoxy of LED	Electro-optical characteristics Ta = 25°C										Price-code Preis-Code Code de prix	Type Typ Type	Resistor Widerstand Résistance			
				Peak Wave-length λp nm	Operat. Temp. °C	Stor. Temp. °C	Luminous intensity lV		Forward voltage VF			Code	V			mA			
							Viewing Angle	Typ. mcd	lF mA	Typ. V	Max. V						lF mA		
Low Current type 	35	Red	TL	635	-55 +100	-55 +100	50°	1.8	2	1.8	2.2	2		R3C2 G3C2 Y3C2 R3D2		O	without ohne sans		
		Green		565	-20 +100		50°	1.6		1.8	2.2								
		Yellow		583	-55 +100		50°	1.6		1.9	2.7								
		Red	TL	645	-20 +100	-55 +100	60°	2.0	1	1.6	1.8	1							
2-colour Led: 2 terminals/Anschlüsse/raccords Viewing angle: 60°  Tolerance: ± 0.25	36	Red	WL	625	- 40 + 85	- 40 + 100	60°	40	20	2.0	2.5	10		RG2F RY2F GY2F		A	5	20	
		Green		565						2.2	2.5								
		Red	WL	625				40		2.0	2.5								
		Yellow		590				20		2.1	2.5								
		Green	WL	565				40		2.2	2.5								
		Yellow		590				20		2.1	2.5								
2/3-colour Led: 3 terminals/Anschlüsse/raccords Viewing angle: 160°  + Red/Red/Green + Green/Yellow/Yellow CC: Common Cathode	37	Red	WL	635	- 40 + 85	- 40 + 100	70°	20	10	2.0	2.8	10		RG36 RY36 GY36					
		Green		565				12.5		2.1	2.8								
		Red	WL	635				20		2.0	2.8								
		Yellow		585				12.5		2.0	2.8								
		Green	WL	565				12.5		2.1	2.8								
		Yellow		585						2.0	2.8								
Other V/mA combinations on request Andere V/mA Kombinationen auf Wunsch Autres V/mA combinaisons sur demande																			

Réserve de modifications de toutes les données techniques
Änderungen die dem technischen Fortschritt dienen, sind vorbehalten
Specifications subject to change without notice

Order-code
Bestell-code
Code de commande

L3-

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unbased

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ungesockelt

T1 Diodes lumineuses
sans socle

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Further types on request.

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Autres types sur demande.

L3
No. 39
No. 3J, 3P



Actual size
Grösse 1:1
Echelle 1:1

Package dimensions All dimensions are in millimeters	No.	Emitted colour	① Epoxy of LED	Electro-optical characteristics Ta = 25°C										Price-code Preis-Code Code de prix	Type Typ Type	Resistor Widerstand Résistance		
				Peak Wave-length λ_p	Operat. Temp.	Stor. Temp.	Luminous intensity I_V			Forward voltage V_F			Code			V	mA	
				nm	°C	°C	Viewing Angle	Typ. mcd	I_F mA	Typ. V	Max. V	I_F mA						
Flashing Leds Frequency: 2 Hz Typ.	39	Red	TL	625	- 40	- 50	60°	32	38	3.5	13	6-70			R3FF	O	without ohne sans	
		Red		660			60°	300							R3FW			
		Green		565	+ 70	+ 100	60°	20							G3FF			
		Yellow		590			60°	20							Y3FF			
									</									

① CP clear transparent / water clear
TP transparent / colour clear
WL white translucent / white diffused
TL translucent / colour diffused

CP transparent klar
TP farbig transparent
WL weiss durchscheinend
TL farbig durchscheinend

CP transparent clair
TP transparent coloré
WL transparent blanc
TL transparent coloré

Order-code
Bestell-code
Code de commande

L3-

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Autres types sur demande.

L3
No. 39



Actual size
Grösse 1:1
Echelle 1:1

Package dimensions All dimensions are in millimeters	No.	Emitted colour	① Epoxy of LED	Electro-optical characteristics Ta = 25°C										Price-code Preis-Code Code de prix	Type Typ Type	Resistor		
				Peak Wave-length λp	Operat. Temp.	Stor. Temp.	Luminous intensity I _v			Forward voltage V _F			Widerstand					
							Viewing	Typ.	I _F	Typ.	Max.	I _F	Résistance					
													Angle			mcd	mA	V
	39	Yellow	CP	595	- 40	- 40	20°	1000	20	2.1	2.6	20		Y31B	O	without ohne sans		
		Amber	CP	620	+ 85	+ 100	20°	1000		2.0	2.6			A31B				
		Red	CP	660	- 40	- 40	50°	1000	20	1.85	2.5	20		R31W	A	5	20	
		Green		565	+ 85	+ 85	50°	300		2.2	2.5			G31F				
															B	12	20	
		Yellow Gelb Jaune	CP	592	- 40 + 100	- 55 + 100	45°	200	20	1.9	2.4	20		Y31H	C	18	20	
		Red	TL	660	- 40 + 85	- 40 + 85	60°	300	20	1.85	2.5	20		R32F	D	24	20	
															E	28	20	
															F	32	18	
		Yellow	CP	595	-25 +75	-30 +100	22°	3500	20	2.2	2.5	20		Y41Q	G	36	15	
															H	42	12	
															Other V/mA combinations on request			
															Code	V	mA	
															O	without ohne sans		

~3.2

~2.8

~0.5

2.54

① CP clear transparent / water clear
TP transparent / colour clear
WL white translucent / white diffused
TL translucent / colour diffused

CP transparent klar
TP farbig transparent
WL weiss durchscheinend
TL farbig durchscheinend

CP transparent clair
TP transparent coloré
WL transparent blanc
TL transparent coloré

X separates Blatt

Order-code
Bestell-code
Code de commande

L3-

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T1^{3/4} LED's
unbased

T1^{3/4} Leuchtdioden
ungesockelt

T1^{3/4} Diodes lumineuses
sans socle

All specifications according to information from our manufacturers,
without additional guarantee on our part.
Further types on request.

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Weitere Typen auf Anfrage.

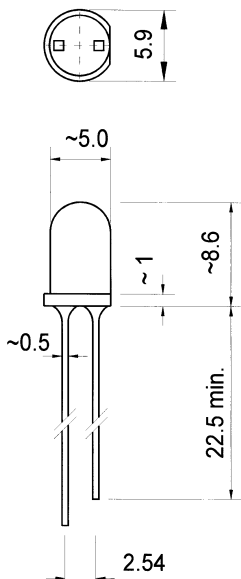
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Autres types sur demande.

L5
No. 70



Actual size
Grösse 1:1
Echelle 1:1

The brightest

Package dimensions All dimensions are in millimeters	No.	Emitted colour	① Epoxy of LED	Electro-optical characteristics Ta = 25°C										Price-code Preis-Code Code de prix	Type Typ Type	Resistor		
				Peak Wave-length λ _p	Operat. Temp.	Stor. Temp.	Luminous intensity I _v			Forward voltage V _F			Code			V	mA	
							Viewing Angle	Typ. mcd	I _F mA	Typ. V	Max. V	I _F mA						
																		nm
	70	Red Rot Rouge	CP	660	- 40 + 85	- 40 + 85	30°	500	20	1.85	2.5	20		R61F	O	without ohne sans		
		30°					1000						R71F					
		30°					2000						R91F					
		30°					3500						R91W					
		Yellow		595		+ 100	8°	2200		2.1	2.6		Y911		A	5	20	
		Green Grün Vert	CP	565	- 40 + 85	- 40 + 85	30°	300	20	2.2	2.5	20		G51W		B	12	20
		Green Grün Vert	CP	565	- 25 + 75	- 30 + 100	22°	1000	20	2.2	2.5	20		G71Q		C	18	20
		Red Rot Rouge	CP	623	- 40 + 100	- 40 + 120	15°	3500	20	2.0	2.4	20		R812		D	24	20
		6°					8000						R91H					
		Yellow Gelb Jaune	CP	594	- 40 + 100	- 40 + 120	6°	9300	20	2.0	2.4	20		Y91H		F	28	20
Red	CP	660	- 25 + 85	- 30 + 100	15°	4000	20	2.0	2.5	20		R919		G	32	18		
Yellow Gelb Jaune	CP	592	- 40 + 100	- 40 + 120	7°	3500	20	1.9	2.4	20		Y912		H	36	15		
Yellow Gelb Jaune	CP	592	- 40 + 100	- 40 + 120	24°	800	20	1.9	2.4	20		Y712			42	12		

① CP clear transparent / water clear
TP transparent / colour clear
WL white translucent / white diffused
TL translucent / colour diffused

CP transparent klar
TP farbig transparent
WL weiss durchscheinend
TL farbig durchscheinend

CP transparent clair
TP transparent coloré
WL transparent blanc
TL transparent coloré

X separates Blatt

Order-code
Bestell-code
Code de commande

L5-

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T1-T1^{3/4} Bi-Polar LEDs unbased

- Dual-Chip LED, Bi-Polar
- Independent of Polarity
- Suitable for AC/DC
- Dual-Chip LED, Bi-Polaire
- Indépendance des Polarités
- Appropriée pour AC/DC

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L3
No. 49



L5
No. 59



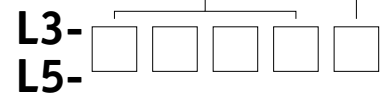
Actual size
Grösse 1:1
Echelle 1:1

Package dimensions All dimensions are in millimeters	No.	Emitted colour	① Epoxy of LED	Electro-optical characteristics Ta = 25°C										Type Type Type	Resistor			
				Peak Wave-length λp nm	Operat. Temp. °C	Stor. Temp. °C	Luminous intensity L _v			Forward voltage V _F			Price-code Preis-Code Code de prix		Widerstand Résistance			
							Viewing Angle	Typ. mcd	I _F mA	Typ. V	Max. V	I _F mA			Code	V	mA	
 L3	49	Red	TL	625	- 40 + 85	- 40 + 85	60°	40	20	2.0	2.5	20		RR3F	O	without ohne sans		
		Red		625						2.0	2.5							
		Green		565			60°	20	20	2.2	2.5	20		GG3F				
		Green		565						2.2	2.5							
		Yellow		590			60°	20	20	2.1	2.5	20						YY3F
		Yellow		590						2.1	2.5							
												B	12		20			
													C		18	20		
														D	24	20		
													E		28	20		
											F	32	18					
 L5	59	Red	TL	660	- 40 + 85	- 40 + 85	60°	200	20	1.85	2.5	20		RR5W	G	36 15		
		Red		660						1.85	2.5							
		Green		565			60°	20	20	2.2	2.5	20		GG5F				
		Green		565						2.2	2.5							
		Yellow		590			60°	20	20	2.1	2.5	20						YY5F
		Yellow		590						2.1	2.5							
												Other V/mA combinations on request Andere V/mA Kombinationen auf Wunsch Autres V/mA combinaisons sur demande						

① TL translucent / colour diffused TL farbig durchscheinend TL transparent coloré

Alternative or direct current can be applied – without a rectifier.
An excellent side visibility is provided using the Bipolars in our indicator Series 175, 176–178 and 355.
With our Bipolar LEDs the anode/cathode problem – is no longer a problem:

Order-code
Bestell-code
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ATTENTION

Observe Precautions
for Handling
Electrostatic Sensitive
Devices

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Autres types sur demande.

L3/L5



Actual size
Grösse 1:1
Echelle 1:1

Package dimensions

All dimensions are in millimeters

L3

Type No.

Emitted colour

Epoxy of LED

Peak Wave-length λ_p

Operat. Temp.

Stor. Temp.

Luminous intensity I_V

Forward voltage V_F

Viewing angle

1

Blue

CP

470

2000

15

B71G

2

Blau

1000

20

3.6

4

20

30

B41G

3

Bleu

600

45

B51G

1

Green

CP

525

- 30

- 40

6800

15

G41N

2

Grün

3400

20

3.5

4

20

30

G51N

3

Vert

2000

45

G31N

1

White

CP

x=0.32

2800

25

W33N

2

Weiss

WL

y=0.31

1910

20

3.6

4

20

35

W35N

Blanc

1270

60

W34N

680

70

W30N

Type No.

Dimension (mm)

A

B

C

D

1

5

6

11

27.5

2

4.4

5.4

10.4

26.9

3

4

5

9.7

26.2

Tolerance

-0.2

-0.2

-0.5

-1

L5

Type No.

Emitted colour

Epoxy of LED

Peak Wave-length λ_p

Operat. Temp.

Stor. Temp.

Luminous intensity I_V

Forward voltage V_F

Viewing angle

1

Blue

CP

470

3000

15

B91G

2

Blau

1300

20

3.6

4

20

30

B21G

3

Bleu

700

45

B61G

1

Green

CP

525

- 30

- 40

10000

15

G81N

2

Grün

4400

20

3.5

4

20

30

G61N

3

Vert

2400

45

G71N

1

White

CP

x=0.32

5600

20

W54N

2

Weiss

WL

y=0.31

1560

20

3.6

4

20

50

W52N

Blanc

420

70

W50N

2

Bluish-Green

CP

500

3600

20

3.5

4

20

8

BG1N

1200

32

BG1G

Type No.

Dimension (mm)

A

B

C

D

1

7.6

8.6

12.4

28.9

2

7.3

8.3

12.1

28.6

3

6.6

7.6

11.3

27.8

Tolerance

-0.2

-0.2

-0.5

-1

Attention

Additional specifications sheets are available on request:

- min./max. luminous intensity

- absolute max. ratings

- selection of colour and brightness

- luminous spectrum

- reliability tests

- how to prevent LED's from being damaged by electrostatic shocks

Other V/mA combinations on request

Andere V/mA Kombinationen auf Wunsch

Autres V/mA combinations sur demande

Order-code
Bestell-code
Code de commande

L3- ☐ ☐ ☐ ☐ ☐
L5- ☐ ☐ ☐ ☐ ☐

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T1^{3/4} LED's
unbased

T1^{3/4} Leuchtdioden
ungesockelt

T1^{3/4} Diodes lumineuses
sans socle

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Further types on request.

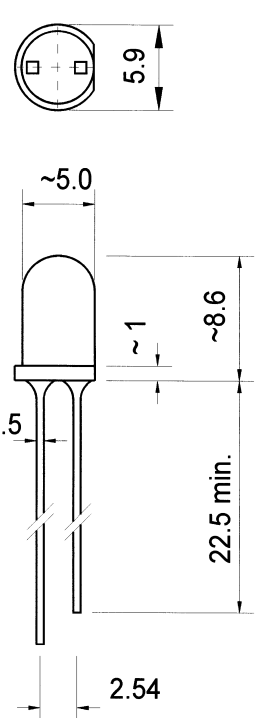
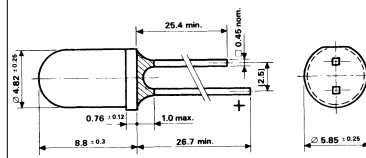
Alle Spezifikationen basieren auf Angaben unserer Lieferanten,
ohne zusätzliche Garantie unsererseits.
Weitere Typen auf Anfrage.

Toutes les spécifications selon indications de nos fabricants,
sans garantie supplémentaire de notre part.
Autres types sur demande.

L5
No. 50-54



Actual size
Grösse 1:1
Echelle 1:1

Package dimensions All dimensions are in millimeters	No.	Emitted colour	Epoxy of LED	Electro-optical characteristics Ta = 25°C										Price-code Preis-Code Code de prix	Type Typ Type	Resistor Widerstand Résistance		
				Peak Wave-length λp	Operat. Temp.	Stor. Temp.	Luminous intensity Ly			Forward voltage VF			Viewing Angle	Typ. mcd	If mA	Typ. V	Max. V	If mA
				nm	°C	°C	Angle	Typ. mcd	If mA	Typ. V	Max. V	If mA						
Quality acc. to MIL-Spec.: No.50 	50	Red	TL	660			30°	20										
		Rot	CP				16°	160	20	1.7	2.0	20						
		Rouge	TL	660			30°	30										
		Green	TL				30°	10										
		Grün	CP	555			16°	80	20	2.1	2.5	20						
		Vert	TL				30°	15										
				560	- 30 + 85	- 30 + 100	30°	24										
		Yellow	TL				30°	16										
		Gelb	CP	580			16°	90	20	2.2	2.5	20						
		Jaune	TL				30°	24										
		Amber	TL				30°	16										
		Orange	CP	605			15°	90	20	2.2	2.5	20						
		Orange	TL				30°	24										
		Green		555	- 30 + 85	- 30 + 100	10°	150		2.1	2.5							
		Yellow	TP	580			10°	150	20	2.2	2.5	20						
		Amber		605			10°	250		2.2	2.5							
Quality acc. to MIL-Spec.: No 53 	51	Red	CP		- 40 + 85	- 40 + 85	30°	1000										
		Rot					30°	2000										
		Rouge					30°	3500										
					-25 +85	-30 +100	15°	4000		2.0	2.5							
		Red	TL	700			40°	9.0		2.2	2.6	20						
		Rot		635	- 40 + 85	- 40 + 100	40°	80	20	2.0	2.6							
		Rouge		660				500		1.7	2.6	20						
				660			18°	1200		2.0	2.6							
		Green		568	- 40 + 85	- 40 + 100	40°	80		2.2	2.6							
		Yellow	TL	585			40°	80	20	2.1	2.6	20						
		Amber		635			40°	80		2.0	2.6							
	52	Red	TL	635	-55 +100	- 55	60°	7.0	10	1.9	2.4	10						
		Rot		645	-20 +100	+ 100	24°	240	20	1.8	2.2	20						
		Rouge																
		Green	CP	565	- 20 + 100	- 55 + 100	60°	5.2	10	2.3	3.0	10						
		Grün					24°	120	20	2.3	3.0	20						
		Vert																
		Yellow	TL	583	- 55 + 100	- 55 + 100	60°	8.0	10	2.2	3.0	10						
		Gelb					24°	140	20	2.2	3.0	20						
		Jaune																
	53	Amber	TL	612	- 55 + 100	- 55 + 100	60°	3.5	10	2.2	3.0	10						
		Orange																
	54	Red	TL	635	-55 +100	- 55	50°	2.0		1.8	2.2							
		Green		565	-20 +100	+ 100	50°	1.8	2	1.8	2.2	2						
		Yellow		583	-55 +100		50°	1.8		1.9	2.7							
		Red		645	-20 +100	-55 +100	65°	3.0	1	1.6	1.8	1						

① CP clear transparent / water clear
TP transparent / colour clear
WL white translucent / white diffused
TL translucent / colour diffused

CP transparent klar
TP farbig transparent
WL weiss durchscheinend
TL farbig durchscheinend

CP transparent clair
TP transparent coloré
WL transparent blanc
TL transparent coloré

Order-code
Bestell-code
Code de commande

L5-

SLOAN AG
Birmannsgasse 8
CH-4009 Basel
Switzerland
Tel.: +41 (0) 61 264 10 60
Fax: +41 (0) 61 264 10 75
E-Mail: sloan@sloan-basel.com
www.sloan-basel.com

T1^{3/4} LED's
unbased

T1^{3/4} Leuchtdioden
ungesockelt

T1^{3/4} Diodes lumineuses
sans socle

All specifications according to information from our manufacturers,
without additional guarantee on our part.
Further types on request.

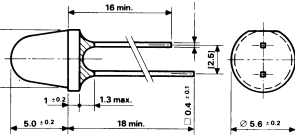
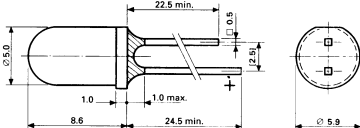
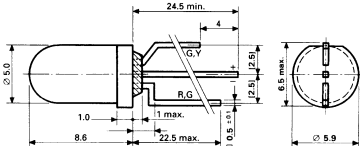
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Weitere Typen auf Anfrage.

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Autres types sur demande.

L5
No. 55-57



Actual size
Grösse 1:1
Echelle 1:1

Package dimensions All dimensions are in millimeters	No.	Emitted colour	① Epoxy of LED	Electro-optical characteristics Ta = 25°C										Price-code Preis-Code Code de prix	Type Typ Type	Resistor Widerstand Résistance																	
				Peak Wave-length λp nm	Operat. Temp. °C	Stor. Temp. °C	Luminous intensity Lv		Forward voltage Vf			Code	V			mA																	
							Viewing Angle	Typ. mcd	Lf mA	Typ. V	Max. V						Lf mA																
Low dome execution 	55	Red	TL	650	- 30 + 85	- 30 + 100		3.0	20	1.7	2.0	20	SA	R400	O	without ohne sans																	
		Rot	CP	660				60																									
		Rouge	TL					30																									
		2-colour Led: 2 terminals/Anschlüsse/raccords 	56						- 40 + 85	- 40 + 85		Max.	20	2.0	2.5	20	FK		F	32 18													
				Red			WL	625			60°	50										2.2	2.5	RG5F									
				Green				565				40										2.2	2.5										
				Red				625			60°	50						20				2.0	2.5		RY5F								
				Yellow				590				20										2.1	2.5										
				Green				565			60°	40										2.2	2.5			GY5F							
				Yellow				590				20										2.1	2.5										
				2/3-colour Led: 3 terminals/Anschlüsse/raccords  No. 56, 57: Tolerance: ± 0.25 Red Green Yellow + - + Red Green Yellow - + - CC: Common Cathode CA: Common Anode			57	Red			WL	625						- 40 + 85				- 40 + 85	60°	90	20	2.0	2.5	20	FA	RGKF	H	42 12	
								Green				565												70			2.2						
Orange	--					--						--											--	RGAF									
Red	625				60°	8.0						2.0											2.5			FB	RGKW						
Green	565					8.0						2.2											2.5										
Orange	--		--			--		--																									
Red	WL	660	60°		300	20		1.85	2.5	20	FB	RGKW																					
Green		565			80			2.2	2.5																								
Red		625	60°		90	20		2.0	2.5										FB	RYKF													
Yellow		590			60			2.1	2.5												FB		GYKF										
Green		565	60°		70			2.2	2.5																								
Yellow		590			60			2.1	2.5																								
Red	CP	660	24°		700	20		1.85	2.5	20	FP	RGWW																					
Green		565			200			2.2	2.5																								
Red	CP	660	24°		700	20		1.85	2.5	20	FP	RGVW																					
Green		565			200			2.2	2.5																								
Red	CP	625	24°		300	20		2.0	2.5	20	FB	RYKW																					
Yellow		590			80			2.1	2.5																								
Green	CP	565	24°		200	20		2.2	2.5	20	FB	GYKW																					
Yellow		590			80			2.1	2.5																								

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TP transparent / colour clear
WL white translucent / white diffused
TL translucent / colour diffused

CP transparent klar
TP farbig transparent
WL weiss durchscheinend
TL farbig durchscheinend

CP transparent clair
TP transparent coloré
WL transparent blanc
TL transparent coloré

Order-code
Bestell-code
Code de commande

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T1^{3/4} Leuchtdioden
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T1^{3/4} Diodes lumineuses
sans socle

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Further types on request.

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Weitere Typen auf Anfrage.

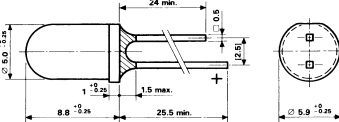
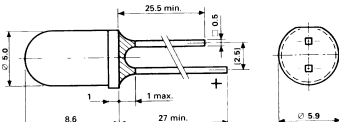
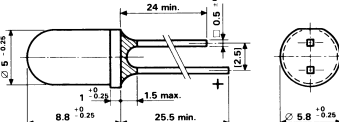
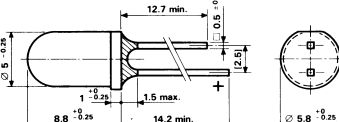
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Autres types sur demande.

L5

No. 58
No. 5J, 5P



Actual size
Grösse 1:1
Echelle 1:1

Package dimensions All dimensions are in millimeters	No.	Emitted colour	① Epoxy of LED	Electro-optical characteristics Ta = 25°C										Type Typ Type	Resistor Widerstand Résistance							
				Peak Wave-length λp	Operat. Temp.	Stor. Temp.	Luminous intensity I _v		Forward voltage V _F			Price-code Preis-Code Code de prix	Code		V	mA						
							Viewing Angle	Typ. mcd	I _F mA	Typ. V	Max. V						I _F mA					
																		nm	°C	°C	Angle	mcd
Flashing Leds Frequency 2.2 Hz 	58	Red	TL	635	0 + 70	- 20 + 85	55°	12.0	10-20	3	15	10-20		R5F1	O	without ohne sans						
		Green		5668			55°	15.0						G5F1								
		Yellow		585			55°	10.0						Y5F1								
		Amber		635			55°	12.0						A5F1								
		Red		660			55°	25.0						R5FB								
Frequency 2 Hz Typ.  Tolerance: ± 0.25	58	Red	TL	625	- 40 + 70	- 10 + 100	60°	80	38	3.5	13	6-70		R5FF	D	24	20					
		Red		660			60°	300						R5FW								
		Green		565			60°	32						G5FF								
		Yellow		590			60°	32						Y5FF								
Infrared-Light Emitting Diodes 	5J	BTP		150	880	-40 +100	5	1.0	1.7	2.0	10			J511	O	without ohne sans						
Phototransistors 	5P						Collector Emitter Sus. Voltage V _{CC} Max.	Collector Current I _C Max.	E-C breakdown voltage						P511	O	without ohne sans					
							V	mA	Min.	Typ.	I _C μA											
		CP	100	940	-40 +100	30		25	5	7	100											

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TL translucent / colour diffused

CP transparent klar
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WL weiss durchscheinend
TL farbig durchscheinend

CP transparent clair
TP transparent coloré
WL transparent blanc
TL transparent coloré

Order-code
Bestell-code
Code de commande

L5- ☐ ☐ ☐ ☐ ☐

SLOAN AG

Birmannsgasse 8

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Switzerland

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Fax: +41 (0) 61 264 10 75

E-Mail: sloan@sloan-basel.com

www.sloan-basel.com



ATTENTION

Observe Precautions
for Handling

Electrostatic Sensitive
Devices

All specifications according to information from our manufacturers,
without additional guarantee on our part.
Further types on request.

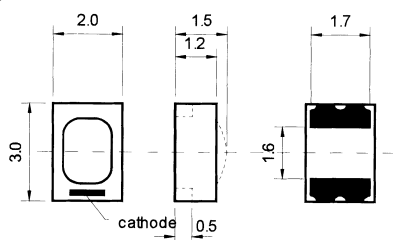
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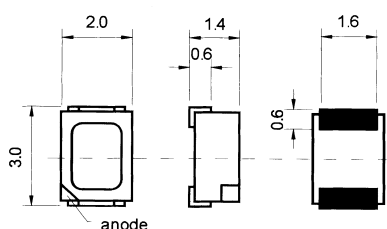
Package dimensions

All dimensions are in millimeters

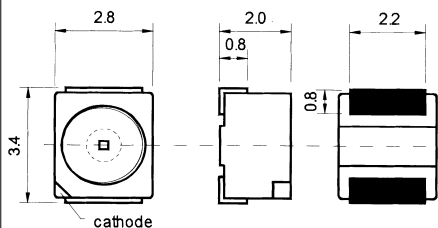
Type No. 1



Type No. 2



Type No. 3



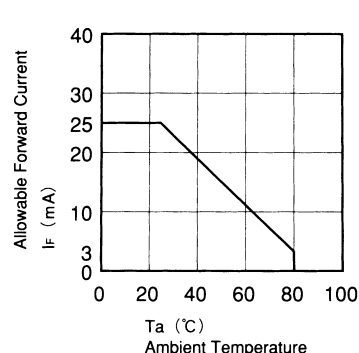
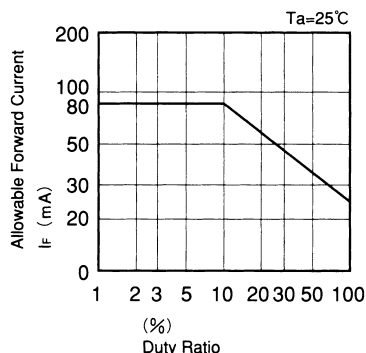
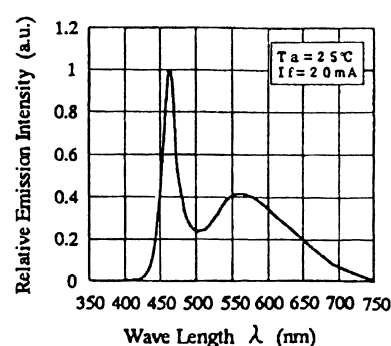
Type No.	Emitted colour	Epoxy of SMD-LED	Electro-optical characteristics Ta = 25°C							Type Typ Type	
			Peak Wave-length λ_p	Operat. Temp.	Stor. Temp.	Luminous intensity Typ.	Forward voltage V_F		Viewing angle		
			nm	°C	°C	mcd	Typ.	Max.	I_F		°
3	Amber	CP	620	- 20 + 80	- 30 + 100	72	2	2.6	20	120	SMD-A001
1	Blue	CP	470			65	3.5	4	20	120	SMD-B01N
1	Green	CP	525			210	3.5	4	20	120	SMD-G01N
2	Red	CP	660			300	1.85	2.5	20	90	SMD-R06F
1	White	CP	x=0.31 y=0.32			320	3.6	4	20	120	SMD-W01N
3	Yellow	CP	595			72	2	2.6	20	120	SMD-Y001

Attention

Additional specifications sheets are available on request:

- min./max. luminous intensity
- absolute max. ratings
- selection of colour and brightness
- luminous spectrum
- reliability tests
- how to prevent LED's from being damaged by electrostatic shocks

Spectrum of white SMD-LED's



CP clear transparent / water clear
TP transparent / colour clear
WL white translucent / white diffused
TL translucent / colour diffused

CP transparent klar
TP farbig transparent
WL weiss durchscheinend
TL farbig durchscheinend

CP transparent clair
TP transparent coloré
WL transparent blanc
TL transparent coloré

Order-code
Bestell-code
Code de commande

SMD-