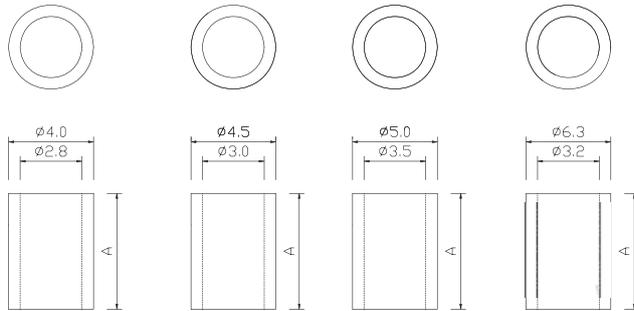
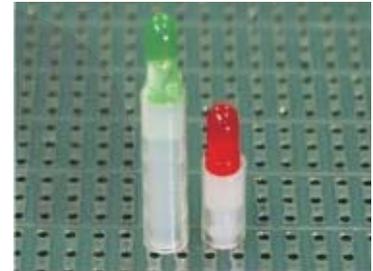


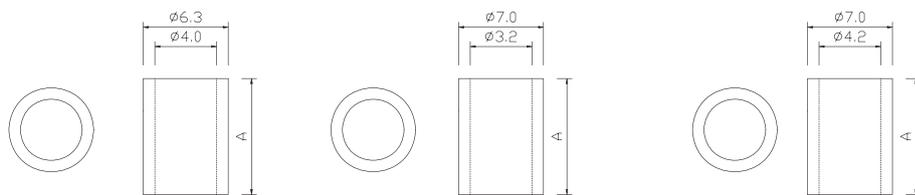
Led Spacer Support Series

KLS8-0114A Led Spacer Support Series

Material: UL approved Nylon 66, 94V-2
Unit:mm



KLS8-0110 KLS8-0111 KLS8-0112 KLS8-0113A



KLS8-0113B

KLS8-0114A

KLS8-0115

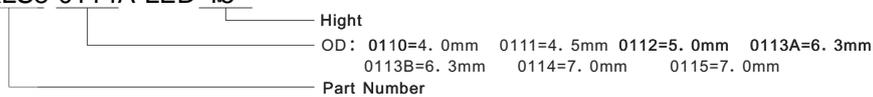
Model No.	A	Packaging
LED-1.5	1.5	2000
LED-2	2	
LED-2.5	2.5	
LED-3	3	
LED-3.5	3.5	
LED-4	4	
LED-4.5	4.5	
LED-5	5	
LED-5.5	5.5	
LED-6	6	
LED-6.5	6.5	
LED-6.8	6.8	
LED-7	7	
LED-7.5	7.5	
LED-8	8	
LED-8.5	8.5	
LED-8.8	8.8	
LED-9	9	
LED-9.5	9.5	
LED-10	10	

Model No.	A	Packaging
LED-10.5	10.5	2000
LED-11	11	
LED-11.5	11.5	
LED-12	12	
LED-12.5	12.5	
LED-13	13	
LED-13.5	13.5	
LED-14	14	
LED-14.5	14.5	
LED-15	15	
LED-15.5	15.5	
LED-16	16	
LED-16.5	16.5	
LED-17	17	
LED-17.5	17.5	
LED-18	18	
LED-18.5	18.5	
LED-19	19	
LED-19.5	19.5	
LED-20	20	

Model No.	A	Packaging
LED-20.5	20.5	1000
LED-21	21	
LED-21.5	21.5	
LED-22	22	
LED-22.5	22.5	
LED-23	23	
LED-23.5	23.5	
LED-24	24	
LED-24.5	24.5	
LED-25	25	
LED-25.5	25.5	
LED-26	26	
LED-26.5	26.5	
LED-27	27	
LED-27.5	27.5	
LED-28	28	
LED-28.5	28.5	
LED-29	29	
LED-29.5	29.5	
LED-30	30	

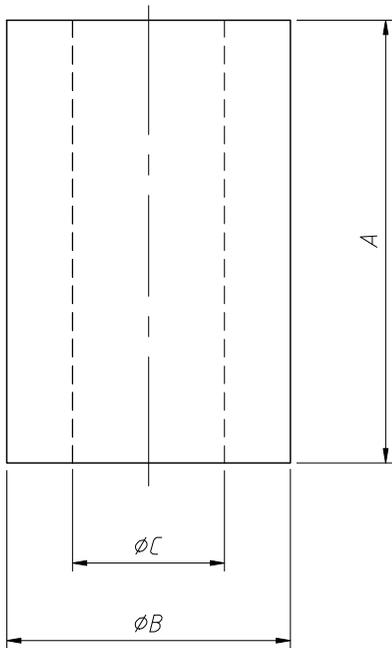
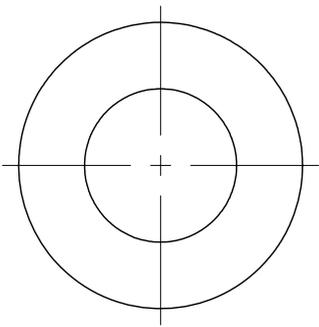
ORDER INFORMATION

KLS8-0114A-LED-15



1
RoHS Compliance

6	7	8
REV	SYM	Revision Record
V0	KLS08011	New Version Release
Appr.	Jenny	Date
		2024-04-22



ITEM NO:	A	øB	øC
0112-LED-1.5	1.5	5.0	3.5
0112-LED-2.0	2.0		
0112-LED-2.5	2.5		
0112-LED-3.5	3.5		
0112-LED-4.0	4.0		
0112-LED-10.0	10.0		
0112-LED-10.5	10.5		
0112-LED-11.0	11.0		
0112-LED-12.5	12.5		
0112-LED-13.5	13.5		
0112-LED-14.5	14.5		
0112-LED-15.0	15.0		
0112-LED-15.5	15.5		
0112-LED-16.0	16.0		
0112-LED-16.5	16.5		
0112-LED-17.5	17.5		
0112-LED-18.5	18.5		
0112-LED-19.5	19.5		
0112-LED-20.0	20.0		
0112-LED-20.5	20.5		
0112-LED-21.5	21.5		
0112-LED-22.5	22.5		
0112-LED-23.5	23.5		
0112-LED-24.5	24.5		
0112-LED-25.0	25.0		
0112-LED-25.5	25.5		

Notes:

Material: PA66,UL 94V-2,Natural

Operating Temperature:0°C~+80°C

Withstanding Voltage:2500V /0.5mA/1Sec

Temperature Resistance: Class B 130° (Requires 200°

Baking For 30 Minutes Without Melting)

The Appearance Shall Be Free Of Defects Such As Burrs, Burrs, Shrinkage, Etc

This Product Does Not Contain Lead (Pb), Mercury (Hg), Pot (Cd), Hexavalent Inscription (Cr VI)

The Material Used In This Product Has A Water Absorption Of 2.5% After 24 Hours Immersion At A Temperature Of 23 °C And A Relative Humidity Of 50%

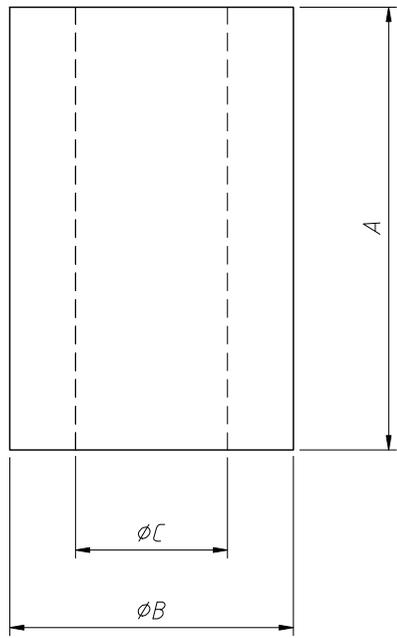
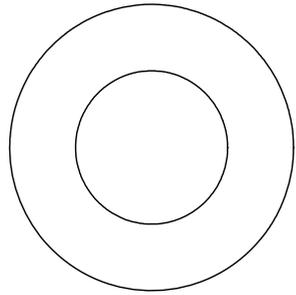
Used to Protect The LED From Bending, Breaking, Or Short Circuiting When Standing On The PCB

ANGLE TOLERANCE	PROJECTION	Description:	LED Spacing Column			
±3°						
GENERAL TOLERANCE	UNITS	mm	KLS P/N:	L-KLS8-0112-LED-XX		
1~4 ±0.15	SHEET SIZE	A4				
4~15 ±0.2	Draw:	Jenny	2024-04-22	NingBo KLS ELECTRONIC CO.,L TD.		
15~30 ±0.3	Check:	Daniel	2024-04-22			

Unmarked	0~4	4~15	15~30	30~50	50~100	100~
Tolerance	±0.15	±0.2	±0.3	±0.5	±0.7	±1.0

1
RoHS Compliance

6	7	8
REV	SYM	Revision Record
V0	KLS08011	New Version Release
		Appr.
		Jenny
		Date
		2024-09-11



ITEM NO:	A	øB	øC
0113B-LED-2.5	2.5	6.3	4.0
0113B-LED-3	3		
0113B-LED-3.5	3.5		
0113B-LED-4	4		
0113B-LED-10.5	10.5		
0113B-LED-11	11		
0113B-LED-12	12		
0113B-LED-12.5	12.5		
0113B-LED-13.5	13.5		
0113B-LED-14.5	14.5		
0113B-LED-15.5	15.5		
0113B-LED-16.5	16.5		
0113B-LED-17.5	17.5		
0113B-LED-18.5	18.5		
0113B-LED-19	19		
0113B-LED-19.5	19.5		
0113B-LED-20	20		
0113B-LED-20.5	20.5		
0113B-LED-21.5	21.5		
0113B-LED-22.5	22.5		
0113B-LED-23.5	23.5		
0113B-LED-24.5	24.5		
0113B-LED-25.5	25.5		
0113B-LED-26.5	26.5		
0113B-LED-27.5	27.5		
0113B-LED-28.5	28.5		
0113B-LED-29.5	29.5		

Notes:
 Material: PA66,UL 94V-2,Natural
 Operating Temperature:0°C~+80°C
 Withstanding Voltage:2500V /0.5mA/1Sec
 Temperature Resistance: Class B 130° (Requires 200°
 Baking For 30 Minutes Without Melting)

The Appearance Shall Be Free Of Defects Such As
 Burrs, Burrs, Shrinkage, Etc

This Product Does Not Contain Lead (Pb), Mercury (Hg),
 Pot (Cd), Hexavalent Inscription (Cr VI)

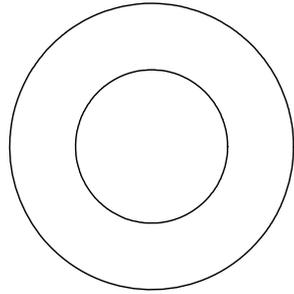
The Material Used In This Product Has A Water
 Absorption Of 2.5% After 24 Hours Immersion At A
 Temperature Of 23 °C And A Relative Humidity Of 50%

Used to Protect The LED From Bending, Breaking, Or
 Short Circuiting When Standing On The PCB

ANGLE TOLERANCE	PROJECTION	Description:	LED Spacing Column	
±3°				
GENERAL TOLERANCE	UNITS	mm	KLS P/N:	L-KLS8-0113B-LED-XX
1~4 ±0.15	SHEET SIZE	A4	XX	NingBo KLS ELECTRONIC CO.,L TD.
4~15 ±0.2	Draw:	Jenny	2024-09-11	
15~30 ±0.3	Check:	Daniel	2024-09-11	

1
RoHS Compliance

6	7	8
REV	SYM	Revision Record
V0	KLS08011	New Version Release
		Appr.
		Jenny
		Date
		2024-09-11



ITEM NO:	A	ØB	ØC
0115-LED-2	2.0	7.0	4.2
0115-LED-2.5	2.5		
0115-LED-10.5	10.5		
0115-LED-11	11		
0115-LED-12	12		
0115-LED-12.5	12.5		
0115-LED-13	13		
0115-LED-13.5	13.5		
0115-LED-14.5	14.5		
0115-LED-15	15		
0115-LED-15.5	15.5		
0115-LED-16.5	16.5		
0115-LED-17	17		
0115-LED-17.5	17.5		
0115-LED-18	18		
0115-LED-18.5	18.5		
0115-LED-19	19		
0115-LED-19.5	19.5		
0115-LED-20	20		
0115-LED-20.5	20.5		
0115-LED-21.5	21.5		
0115-LED-22.5	22.5		
0115-LED-23.5	23.5		
0115-LED-24.5	24.5		

Notes:

Material: PA66,UL 94V-2,Natural

Operating Temperature:0°C~+80°C

Withstanding Voltage:2500V /0.5mA/1Sec

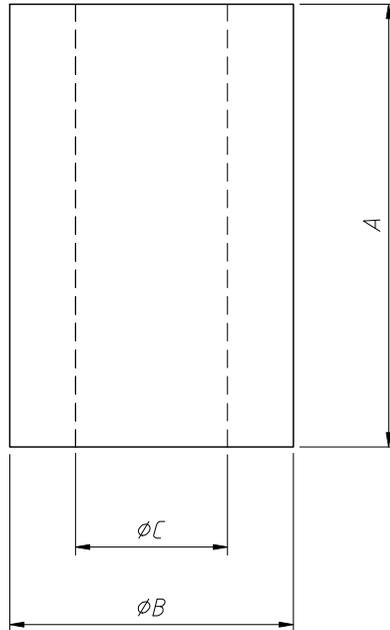
Temperature Resistance: Class B 130° (Requires 200° Baking For 30 Minutes Without Melting)

The Appearance Shall Be Free Of Defects Such As Burrs, Shrinkage, Etc

This Product Does Not Contain Lead (Pb), Mercury (Hg), Pot (Cd), Hexavalent Inscription (Cr VI)

The Material Used In This Product Has A Water Absorption Of 2.5% After 24 Hours Immersion At A Temperature Of 23 °C And A Relative Humidity Of 50%

Used to Protect The LED From Bending, Breaking, Or Short Circuiting When Standing On The PCB



ANGLE TOLERANCE	PROJECTION	Description:	LED Spacing Column	
±3°				
GENERAL TOLERANCE	UNITS	mm	KLS P/N:	L-KLS8-0115-LED-XX
1~4 ±0.15	SHEET SIZE	A4	XX	NingBo KLS ELECTRONIC CO.,L TD.
4~15 ±0.2	Draw:	Jenny	2024-09-11	
15~30 ±0.3	Check:	Daniel	2024-09-11	