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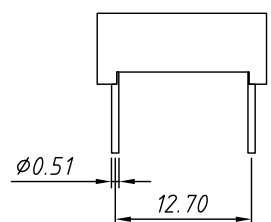
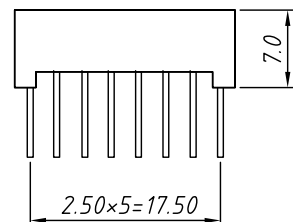
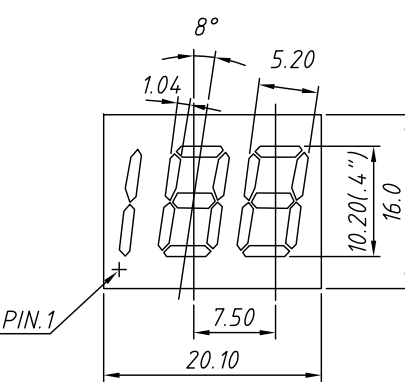
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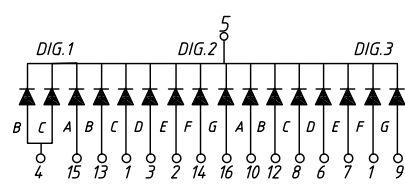
PACKAGE DIMENSION mm



INTERNAL CIRCUIT DIAGRAM

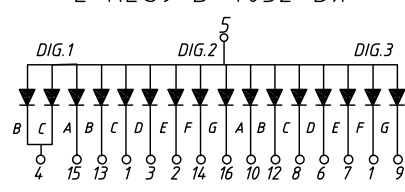
Common Cathode

L-KLS9-D-4032 Ax



Common Anode

L-KLS9-D-4032 Bx



Color Code	Emitting Color	Peak Wavelength	Forward Voltage V _F /Seg.		Luminous Intensity I _v /Seg.	
			Typ.	Max.	Min.	Typ.
		nm		V		mcd
UHR	Ultra Red	640	2	2.5	40	60
UE	Orange	615	2	2.5	40	60
H	Red	623	2.25	2.5	0.4	0.8
YO	Amber	605	2	2.5	40	60
UY	Yellow	590	2	2.5	40	60
UG	Green	568	2.1	2.5	25	40
PG	Pure Green	525	3.3	3.8	150	200
UB	Blue	465	3.3	3.8	40	100
UW	White		3.3	3.8	200	500

Electro/Optical Characteristics I_F=20mA Ta=25°C

Order information

L-KLS9-D-40 3 2 A XX -X X

RoHS

Digit Mode

Character Height

Digit Number:

1-single digit

2-Dual digit

3- Three digit

4-Four digit

Reflector surface color

Color Code:

Drive Mode:

Common Cathode

Common Anode

Model Number:

Maximum Ratings Ta=25°C (Derate above 25°C)												
Characteristic	Test Condition	Symbol	Units	Ultra Red	Orange	Red	Amber	Yellow	Green	Pure Green	Blue	White
				UHR	UE	H	YO	UY	UG	PG	UB	UW
Pulse Forward Current Per Seg.	1/10 duty cycle 0.1ms Pulse width	I _{FP}	mA	100	100	50	100	100	100	100	100	100
DC Forward Current Per Seg.		I _F	mA	30	30	15	30	30	30	30	30	30
Reverse Current Per Seg.	V _R =5V	I _R	A	10	10	10	10	10	10	10	10	10
Power Dissipation		P _D	mW	65×8	65×8	40×8	65×8	65×8	75×8	110×8	120×8	120×8

Tolerance: ±0.25mm unless stated

PROJECTION

UNITS mm

SHEET SIZE A4

Draw data 2018-1-25

Check data 2018-1-25

Description: 0.4" Single Digit 7 Segment DISPLAYS

KLS P/N: L-KLS9-D-4032XXXXX

 NingBo KLS ELECTRONIC CO.,L TD.

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PACKAGE DIMENSION mm

INTERNAL CIRCUIT DIAGRAM

Common Cathode
L-KLS9-D-4032 Cx

Common Anode
L-KLS9-D-4032 Dx

Color Code	Emitting Color	Peak Wavelength	Forward Voltage V_F /Seg.		Luminous Intensity I_V /Seg.	
			Typ.	Max.	Min.	Typ.
		nm	V		mcd	
UHR	Ultra Red	640	2	2.5	40	60
UE	Orange	615	2	2.5	40	60
H	Red	623	2.25	2.5	0.4	0.8
YO	Amber	605	2	2.5	40	60
UY	Yellow	590	2	2.5	40	60
UG	Green	568	2.1	2.5	25	40
PG	Pure Green	525	3.3	3.8	150	200
UB	Blue	465	3.3	3.8	40	100
UW	White		3.3	3.8	200	500

Electro/Optical Characteristics $I_F=20mA$ $T_a=25^{\circ}C$

Order information

Maximum Ratings $T_a=25^{\circ}C$ (Derate above $25^{\circ}C$)

Characteristic	Test Condition	Symbol	Units	Ultra Red	Orange	Red	Amber	Yellow	Green	Pure Green	Blue	White
				UHR	UE	H	YO	UY	UG	PG	UB	UW
Pulse Forward Current Per Seg.	1/10 duty cycle 0.1ms Pulse width	I_{FP}	mA	100	100	50	100	100	100	100	100	100
DC Forward Current Per Seg.		I_F	mA	30	30	15	30	30	30	30	30	30
Reverse Current Per Seg.	$V_R=5V$	I_R	A	10	10	10	10	10	10	10	10	10
Power Dissipation		P_D	mW	65x8	65x8	40x8	65x8	65x8	75x8	110x8	120x8	120x8

Tolerance: $\pm 0.25mm$
unless stated

Description: 0.4" Single Digit
7 Segment DISPLAYS

PROJECTION

UNITS mm

SHEET SIZE A4

Draw data 2018-1-25

Check data 2018-1-25

KLS P/N: L-KLS9-D-4032XXXXX

NingBo KLS ELECTRONIC CO.,L TD.

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PACKAGE DIMENSION mm

DIG.1 DIG.2 DIG.3

$2.50 \times 4 = 10.16$

12.70

INTERNAL CIRCUIT DIAGRAM

Common Cathode

L-KLS9-D-4032 Kx

Common Anode

L-KLS9-D-4032 Lx

Color Code	Emitting Color	Peak Wavelength	Forward Voltage V_F /Seg.		Luminous Intensity I_V /Seg.	
			Typ.	Max.	Min.	Typ.
		nm		V		mcd
UHR	Ultra Red	640	2	2.5	40	60
UE	Orange	615	2	2.5	40	60
H	Red	623	2.25	2.5	0.4	0.8
YO	Amber	605	2	2.5	40	60
UY	Yellow	590	2	2.5	40	60
UG	Green	568	2.1	2.5	25	40
PG	Pure Green	525	3.3	3.8	150	200
UB	Blue	465	3.3	3.8	40	100
UW	White		3.3	3.8	200	500

Electro/Optical Characteristics $I_F=20mA$ $T_a=25^\circ C$

Order information

L-KLS9-D-40 3 2 K XX -X X

RoHS

Digit Mode

Character Height

Digit Number:

1-single digit

2-Dual digit

3- Three digit

4-Four digit

Reflector surface color

Color Code:

Drive Mode:

Common Cathode

Common Anode

Model Number:

Maximum Ratings $T_a=25^\circ C$ (Derate above $25^\circ C$)

Characteristic	Test Condition	Symbol	Units	Ultra Red	Orange	Red	Amber	Yellow	Green	Pure Green	Blue	White
				UHR	UE	H	YO	UY	UG	PG	UB	UW
Pulse Forward Current Per Seg.	1/10 duty cycle 0.1ms Pulse width	I_{FP}	mA	100	100	50	100	100	100	100	100	100
DC Forward Current Per Seg.		I_F	mA	30	30	15	30	30	30	30	30	30
Reverse Current Per Seg.	$V_R=5V$	I_R	A	10	10	10	10	10	10	10	10	10
Power Dissipation		P_D	mW	65×8	65×8	40×8	65×8	65×8	75×8	110×8	120×8	120×8

Tolerance: $\pm 0.25mm$
unless stated

PROJECTION

UNITS

SHEET SIZE

Draw data

Check data

Description:

KLS P/N:

NingBo KLS ELECTRONIC CO.,L TD.

0.4" Single Digit

7 Segment DISPLAYS

L-KLS9-D-4032XXXXX

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PACKAGE DIMENSION mm

DIG.1 DIG.2 DIG.3

2.50×4=10.16

12.70

INTERNAL CIRCUIT DIAGRAM

Common Cathode

L-KLS9-D-4032 Mx

Common Anode

L-KLS9-D-4032 Nx

Color Code	Emitting Color	Peak Wavelength	Forward Voltage V _F /Seg.		Luminous Intensity I _v /Seg.	
			Typ.	Max.	Min.	Typ.
		nm		V		mcd
UHR	Ultra Red	640	2	2.5	40	60
UE	Orange	615	2	2.5	40	60
H	Red	623	2.25	2.5	0.4	0.8
YO	Amber	605	2	2.5	40	60
UY	Yellow	590	2	2.5	40	60
UG	Green	568	2.1	2.5	25	40
PG	Pure Green	525	3.3	3.8	150	200
UB	Blue	465	3.3	3.8	40	100
UW	White		3.3	3.8	200	500

Electro/Optical Characteristics I_F=20mA Ta=25°C

Order information

L-KLS9-D-40 3 2 M XX -X X

RoHS

Digit Mode

Character Height

Digit Number:

1-single digit

2-Dual digit

3- Three digit

4-Four digit

Reflector surface color

Color Code:

Drive Mode:

Common Cathode

Common Anode

Model Number:

Maximum Ratings Ta=25°C (Derate above 25°C)												
Characteristic	Test Condition	Symbol	Units	Ultra Red	Orange	Red	Amber	Yellow	Green	Pure Green	Blue	White
				UHR	UE	H	YO	UY	UG	PG	UB	UW
Pulse Forward Current Per Seg.	1/10 duty cycle 0.1ms Pulse width	I _{FP}	mA	100	100	50	100	100	100	100	100	100
DC Forward Current Per Seg.		I _F	mA	30	30	15	30	30	30	30	30	30
Reverse Current Per Seg.	V _R =5V	I _R	A	10	10	10	10	10	10	10	10	10
Power Dissipation		P _D	mW	65×8	65×8	40×8	65×8	65×8	75×8	110×8	120×8	120×8

Tolerance:	±0.25mm unless stated	Description:	0.4" Single Digit
PROJECTION		7 Segment DISPLAYS	
UNITS	mm		
SHEET SIZE	A4	KLS P/N:	L-KLS9-D-4032XXXXX
Draw data	2018-1-25		NingBo KLS ELECTRONIC CO.,L TD.
Check data	2018-1-25		

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