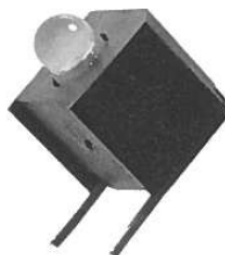
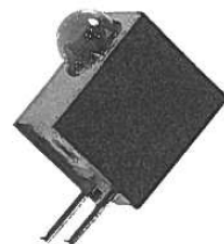




KDE 33



K 34

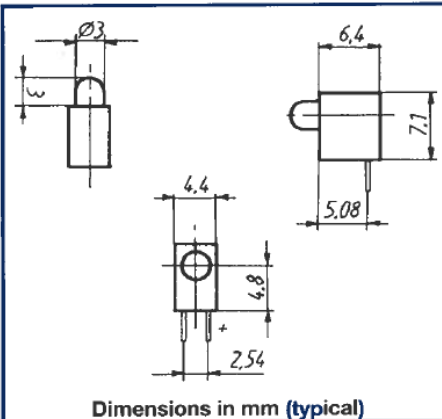


KHLMP 3.101

SERIES KDE 33

Ø 3 mm LED

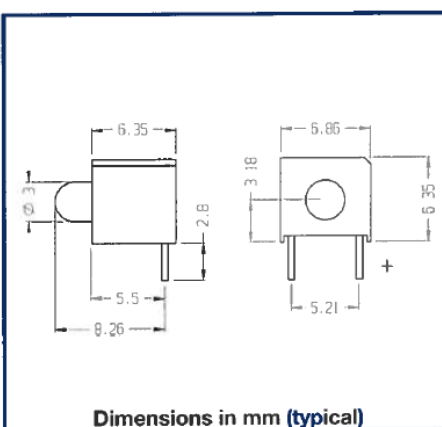
TYPE	EMITTED COLOUR	LUMINOUS INTENSITY			FULL VIEWING ANGLE	FORWARD VOLTAGE (IF = 20 mA)		OPERATING TEMPERATURE	FORWARD CURRENT
		PEAK	TYP.	IF		TYP.	MAX		
KDE 33 - R	RED	700	5	10	120	2,0	2,5	- 55	25
KDE 33 - Y	YELLOW	590	12,5	10	120	2,1	2,5	to	30
KDE 33 - G	GREEN	565	12,5	10	120	2,2	2,5	to	25
KDE 33 - S	SUPER RED	625	20	10	120	2,0	2,5	to	30
KDE 33 - B	RED/GREEN	625/565	12,5	20	100	2,0	2,5	+ 100	25
KDE 33 - I	IPER RED	660	100	20	120	1,85	2,5		30
LOW CURRENT									
KDE 33 - RL	RED	625	2	2	120	1,8	2,5	- 55	7,5
KDE 33 - YL	YELLOW	590	2	2	120	1,9	2,7	to	7,5
KDE 33 - GL	GREEN	565	2	2	120	1,9	2,5	to	7,5
KDE 33 - IL	IPER RED	660	20	2	120	1,85	2,5	+ 100	7,5
QUALITY TESTED 100%	DIFFUSED	nm	med	mA	DEGREE°	V	V	°C	mA



SERIES K 34

Ø 3 mm LED

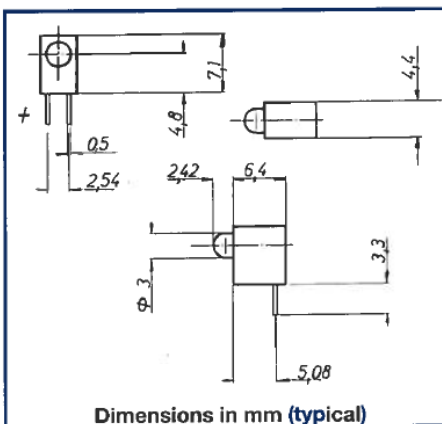
TYPE	EMITTED COLOUR	LUMINOUS INTENSITY			FULL VIEWING ANGLE	FORWARD VOLTAGE (IF = 20 mA)		OPERATING TEMPERATURE	FORWARD CURRENT
		PEAK	TYP.	IF		TYP.	MAX		
K 34 - R	RED	700	3,5	10	120	2,1	2,5	- 55	25
K 34 - G	GREEN	565	8	10	120	2,2	2,5	to	25
K 34 - Y	YELLOW	590	20	10	120	2,2	2,5	to	30
K 34 - S	SUPER RED	625	20	10	120	2,2	2,5	+ 100	30
LOW CURRENT									
K 34 - RL	RED	635	1,8	2	50	1,8	2,2	- 55	7
K 34 - YL	YELLOW	583	1,6	2	50	1,9	2,7	to	7
K 34 - GL	GREEN	567	1,6	2	50	1,8	2,2	+ 100	7
5 & 12 VOLT									
K 34 - R5	RED	625	8	10	120	5	7,5	- 55	10
K 34 - Y5	YELLOW	590	8	10	120	5	7,5	to	10
K 34 - G5	GREEN	565	8	10	120	5	7,5	to	10
K 34 - R12	RED	625	8	10	120	12	15	+ 100	14
K 34 - G12	GREEN	565	8	10	120	12	15	+ 100	14
K 34 - Y12	YELLOW	590	8	10	120	12	15	+ 100	14
QUALITY TESTED 100%	DIFFUSED	nm	med	mA	DEGREE°	V	V	°C	mA



SERIES KHLMP 3.101

Ø 3 mm LED

TYPE	EMITTED COLOUR	LUMINOUS INTENSITY			FULL VIEWING ANGLE	FORWARD VOLTAGE (IF = 20 mA)		OPERATING TEMPERATURE	FORWARD CURRENT
		PEAK	TYP.	IF		TYP.	MAX		
KHLMP 3.101 - R	RED	635	7	10	60	2,2	3	- 55	30
KHLMP 3.101 - Y	YELLOW	583	7	10	60	2,2	3	to	20
KHLMP 3.101 - G	GREEN	565	7	10	60	2,3	3	+ 100	25
LOW CURRENT									
KHLMP 3.101 - RL	RED	635	1,8	2	50	1,8	2,2	- 55	7
KHLMP 3.101 - YL	YELLOW	583	1,6	2	50	1,9	2,7	to	7
KHLMP 3.101 - GL	GREEN	567	1,6	2	50	1,8	2,2	+ 100	7
5 & 12 VOLT									
KHLMP 3.101 - R5	RED	625	8	10	120	5	7,5	- 55	10
KHLMP 3.101 - Y5	YELLOW	590	8	10	120	5	7,5	to	10
KHLMP 3.101 - G5	GREEN	565	8	10	120	5	7,5	to	10
KHLMP 3.101 - R12	RED	625	8	10	120	12	15	+ 100	14
KHLMP 3.101 - G12	GREEN	565	8	10	120	12	15	+ 100	14
KHLMP 3.101 - Y12	YELLOW	590	8	10	120	12	15	+ 100	14
QUALITY TESTED 100%	DIFFUSED	nm	med	mA	DEGREE°	V	V	°C	mA



MATERIAL SPECIFICATION

- ◆ HOUSING: BLACK, UL94 V-0
- ◆ SOLDERING TEMPERATURE: 260 °C ≤ 6 sec.
- ◆ FLAMABILITY: UL 94 V-0 and acc. VDE 0304 part3
- ◆ CLIMATE: DIN 40040
- ◆ TERMINATIONS: □ 0,5 mm leads
- ◆ Mean Time Between Failure: • standard 100.000 hours • low current 250.000 hours

OPTIONS AVAILABLE

- ◆ 5 V & 12 V INTEGRATED RESISTOR
- ◆ BICOLOUR/TRICOLOUR & BIPOLAR
- ◆ BLUE OR WHITE LEDs
- ◆ ULTRABRIGHT - INFRARED & PHOTOTRANSISTORS
- ◆ LED CASE: WATER CLEAR - TRANSPARENT - WHITE
- ◆ FLAT TOP & BLINKING LEDs ◆ SPECIAL LEDs ON REQUEST