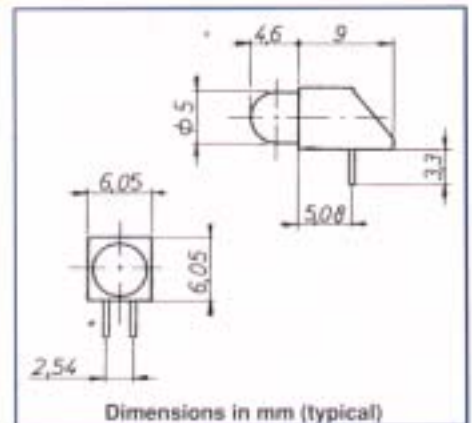




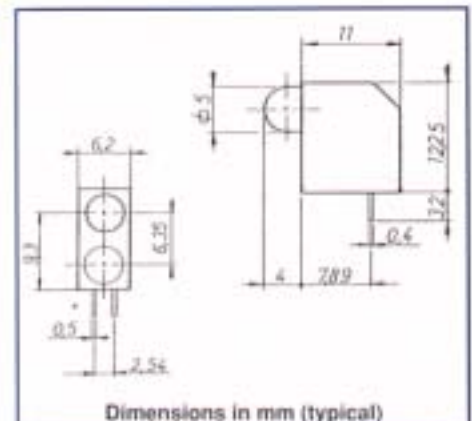
**SERIES KSL 51** **Ø 5 mm LED**

TYPE	EMITTED COLOUR	LUMINOUS INTENSITY			FULL VIEWING ANGLE	FORWARD VOLTAGE (IF=20 mA)		OPERATING TEMPERATURE	FORWARD CURRENT
		PEAK	TYP.	IF		TYP.	MAX		
KSL 51 - R	RED	700	5	10	120	2.0	2.5	-55 to +100	25
KSL 51 - Y	YELLOW	590	20	10	120	2.1	2.6		30
KSL 51 - G	GREEN	565	20	10	120	2.2	2.5		25
KSL 51 - S	SUPER RED	625	32	10	120	2.0	2.5	-55 to +100	30
KSL 51 - B	RED/GREEN	625/665	12.5	20	100	2.2	2.8		25
KSL 51 - I	IPER RED	660	100	20	120	1.85	2.5		30
<b>LOW CURRENT</b>									
KSL 51 - RL	RED	625	2	2	120	1.8	2.5	-55 to +100	7.5
KSL 51 - YL	YELLOW	590	2	2	120	1.9	2.7		7.5
KSL 51 - GL	GREEN	565	2	2	120	1.9	2.5		7.5
KSL 51 - IL	IPER RED	660	20	2	120	1.85	2.5	+100	7.5
QUALITY TESTED 100%	DIFFUSED	nm	mod	mA	DEGREE°	V	V	°C	mA



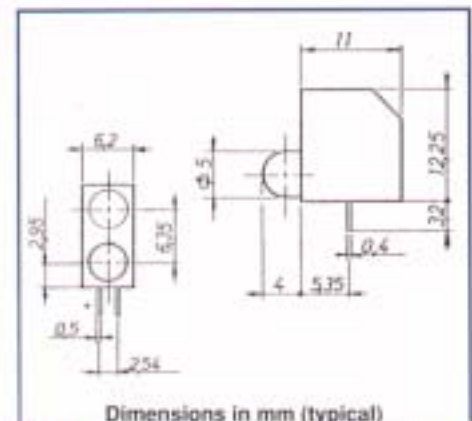
**SERIES KDL 50** **Ø 5 mm LED**

TYPE	EMITTED COLOUR	LUMINOUS INTENSITY			FULL VIEWING ANGLE	FORWARD VOLTAGE (IF=20 mA)		OPERATING TEMPERATURE	FORWARD CURRENT
		PEAK	TYP.	IF		TYP.	MAX		
KDL 50 - R	RED	700	5	10	120	2.0	2.5	-55 to +100	25
KDL 50 - Y	YELLOW	590	20	10	120	2.1	2.6		30
KDL 50 - G	GREEN	565	20	10	120	2.2	2.5		25
KDL 50 - S	SUPER RED	625	32	10	120	2.0	2.5	-55 to +100	30
KDL 50 - B	RED/GREEN	625/665	12.5	20	100	2.0	2.8		25
KDL 50 - I	IPER RED	660	100	20	120	1.85	2.5		30
<b>LOW CURRENT</b>									
KDL 50 - RL	RED	625	2	2	120	1.8	2.5	-55 to +100	7.5
KDL 50 - YL	YELLOW	590	2	2	120	1.9	2.7		7.5
KDL 50 - GL	GREEN	565	2	2	120	1.9	2.5		7.5
KDL 50 - IL	IPER RED	660	20	2	120	1.85	2.5	+100	7.5
QUALITY TESTED 100%	DIFFUSED	nm	mod	mA	DEGREE°	V	V	°C	mA



**SERIES KDL 51** **Ø 5 mm LED**

TYPE	EMITTED COLOUR	LUMINOUS INTENSITY			FULL VIEWING ANGLE	FORWARD VOLTAGE (IF=20 mA)		OPERATING TEMPERATURE	FORWARD CURRENT
		PEAK	TYP.	IF		TYP.	MAX		
KDL 51 - R	RED	700	5	10	120	2.0	2.5	-55 to +100	25
KDL 51 - Y	YELLOW	590	20	10	120	2.1	2.6		30
KDL 51 - G	GREEN	565	20	10	120	2.2	2.5		25
KDL 51 - S	SUPER RED	625	32	10	120	2.0	2.5	-55 to +100	30
KDL 51 - B	RED/GREEN	625/665	12.5	20	100	2.0	2.8		25
KDL 51 - I	IPER RED	660	100	20	120	1.85	2.5		30
<b>LOW CURRENT</b>									
KDL 51 - RL	RED	625	2	2	120	1.8	2.5	-55 to +100	7.5
KDL 51 - YL	YELLOW	590	2	2	120	1.9	2.7		7.5
KDL 51 - GL	GREEN	565	2	2	120	1.9	2.5		7.5
KDL 51 - IL	IPER RED	660	20	2	120	1.85	2.5	+100	7.5
QUALITY TESTED 100%	DIFFUSED	nm	mod	mA	DEGREE°	V	V	°C	mA



**MATERIAL SPECIFICATION**

- ☞ HOUSING: BLACK NORYL, 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