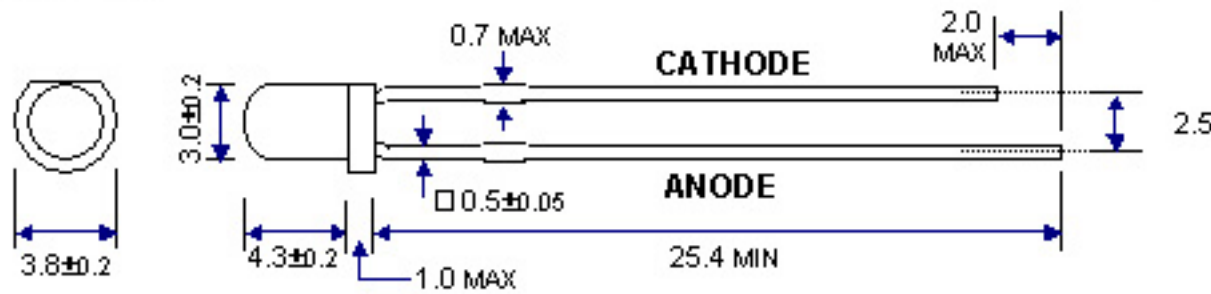


LED - 3 mm

PACKAGE DIMENSIONS



EMISSION COLOUR
CHIP MATERIAL
EMISSION PEAK W.LENGTH

LENS
COLOR/TYPE

PART NO.

Viewing Angle Degrees

IV (mcd)
@ 20mA

MIN

TYP

HI.EFF.RED

RED DIFFUSED

KL-33 HD

80

2

3

GaP/GaP

RED DIFFUSED

KL-33 HD

60

3

4

700nm

RED TRANSPARENT

KL-33 HT

50

8

10

WATER CLEAR

KL-33 HC

50

8

10

HYPER RED

RED DIFFUSED

KL-33 HHD

80

10

15

GaAlAs/GaAs(SH)

RED DIFFUSED

KL-33 HHD

60

15

25

670nm

RED TRANSPARENT

KL-33 HHT

50

40

60

WATER CLEAR

KL-33 HHC

50

40

60

HI.INT.RED

RED DIFFUSED

KL-33 ID

80

15

20

GaAsP/GaP

RED DIFFUSED

KL-33 ID

60

20

30

630nm

RED TRANSPARENT

KL-33 IT

50

60

80

WATER CLEAR

KL-33 IC

50

60

80

GREEN

GREEN DIFFUSED

KL-33 GD

80

10

20

GaP/GaP

GREEN DIFFUSED

KL-33 GD

60

15

25

567nm

GREEN TRANSPARENT

KL-33 GT

50

40

70

WATER CLEAR

KL-33 GC

50

40

70

YELLOW

YELLOW DIFFUSED

KL-33 YD

80

10

15

GaAsP/GaP

YELLOW DIFFUSED

KL-33 YD

60

15

25

590nm

YELLOW TRANSPARENT

KL-33 YT

50

40

60

WATER CLEAR

KL-33 YC

50

40

60

AMBER

AMBER DIFFUSED

KL-33 AD

80

10

15

GaAsP/GaP

AMBER DIFFUSED

KL-33 AD

60

15

25

610nm

AMBER TRANSPARENT

KL-33 AT

50

40

60

WATER CLEAR

KL-33 AC

50

40

60

HYPER INT.RED

RED DIFFUSED

KL-33 HID

80

30

50

GaAlAs/GaAs(SH)

RED DIFFUSED

KL-33 HID

60

50

80

660nm

RED TRANSPARENT

KL-33 HIT

50

150

200

WATER CLEAR

KL-33 HIC

50

150

200

HYPER GREEN

GREEN DIFFUSED

KL-33 HGD

80

20

35

GaP/GaP

GREEN DIFFUSED

KL-33 HGD

60

35

50

567nm

GREEN TRANSPARENT

KL-33 HGT

50

70

120

WATER CLEAR

KL-33 HGC

50

70

120

SUPERBRITE RED

RED DIFFUSED

KL-33 SRD

80

70

90

GaAlAs/GaAs(DH)

RED DIFFUSED

KL-33 SRD

60

100

150

660nm

RED TRANSPARENT

KL-33 SRT

50

300

400

WATER CLEAR

KL-33 SRC

50

300

400

SUPERBRITE YELLOW-GREEN

GREEN DIFFUSED

KL-33 SYGD

80

70

90

AlGaInP/GaAs

GREEN DIFFUSED

KL-33 SYGD

60

90

120

570nm

GREEN TRANSPARENT

KL-33 SYGT

50

250

350

WATER CLEAR

KL-33 SYGC

50

250

350

SUPERBRITE YELLOW

YELLOW DIFFUSED

KL-33 SYD

80

90

120

AlGaInP/GaAs

YELLOW DIFFUSED

KL-33 SYD

60

120

180

590nm

YELLOW TRANSPARENT

KL-33 SYT

50

300

500

WATER CLEAR

KL-33 SYC

50

300

500

SUPERBRITE YELLOW-AMBER

AMBER DIFFUSED

KL-33 SYAD

80

90

120

AlGaInP/GaAs

AMBER DIFFUSED

KL-33 SYAD

60

120

180

595nm

AMBER TRANSPARENT

KL-33 SYAT

50

300

500

WATER CLEAR

KL-33 SYAC

50

300

500

ULTRABRITE RED

WATER CLEAR

KL-33 URC

50

800

1000

GaAlAs/GaAs(DH)

650nm

ULTRABRITE YELLOW

WATER CLEAR

KL-33 UYC

50

600

800

AlGaInP/GaAs

590nm

ULTRABRITE YELLOW AMBER

WATER CLEAR

KL-33 UYAC

50

600

800

AlGaInP/GaAs

595nm

HIGH ULTRABRITE RED

WATER CLEAR

KL-33 HURC

50

900

1100

AlGaInP/GaAs

640nm

HIGH

ULTRABRITE YELLOW

WATER CLEAR

KL-33 HUYC

50

800

1100

AlGaInP/GaAs

590nm

HIGH ULTRABRITE YELLOW AMBER

WATER CLEAR

KL-33 HUYAC

50

800

1100

AlGaInP/GaAs

595nm

SUPERBRITE BLUE

WATER CLEAR

KL-33 SBC(470)

50

120

250

InGaN/SiC

470nm

BLUE GREEN

WATER CLEAR

KL-33 BGC(505)

50

200

300

InGaN/SiC

505nm

GREEN

WATER CLEAR

KL-33 GBC(525)

50

250

400

InGaN/SiC

525nm

ULTRABRITE

BLUE GREEN

WATER CLEAR

KL-33 UBGC(505)

50

400

600

InGaN/SiC

505nm

ULTRABRITE

GREEN

WATER CLEAR

KL-33 UGBC(525)

50

500

800

InGaN/SiC

525nm

HOME