

Kingbright

HELI 2mA

Low Current • Low Vf



2mA

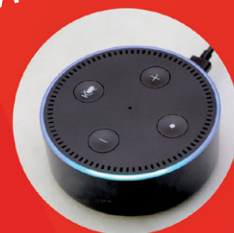
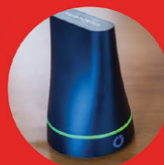
2mA

2mA

2mA

2mA

2mA





Top Emitting SMD APT1608 Package

- Standard SMD 0603 footprint
- Provide sufficient luminous intensity at low current
- Sorted at 2mA with low Vf
- 1.6 x 0.8 x 0.75mm (L x W x H)
- Wide viewing angle of 120°~130°
- Ideal for battery operated devices



[APT1608LVBC/D](#)

2 mA

470

15

24

130°

[APT1608LZGCK](#)

2 mA

525

50

100

130°

[APT1608LSYCK/J3-PRV](#)

2 mA

590

15

25

120°

[APT1608LSECK/J4-PRV](#)

2 mA

605

30

50

120°

[APT1608LSECK/J3-PRV](#)

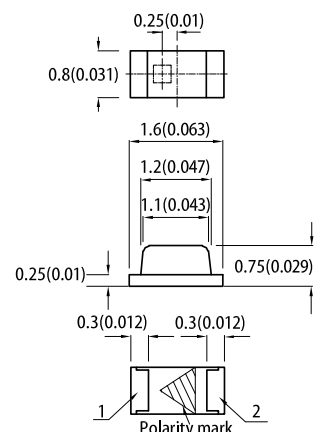
2 mA

625

20

40

120°



Top Emitting SMD APTD1608 Package

- Dome lens package with 0603 footprint
- Narrow viewing angle 40°~60° with 2X intensity compared to flat top LEDs
- High output w/ low current, low power consumption
- Sorted at 2mA with low Vf
- 1.6 x 0.8 x 0.95mm (L x W x H)
- Ideal for all status indication applications



[APTD1608LVBC/D](#)

2 mA

470

30

65

40°

[APTD1608LZGCK](#)

2 mA

525

120

220

60°

[APTD1608LSYCK/J3-PF](#)

2 mA

590

30

55

60°

[APTD1608LSECK/J4-PF](#)

2 mA

605

80

150

60°

[APTD1608LSECK/J3-PF](#)

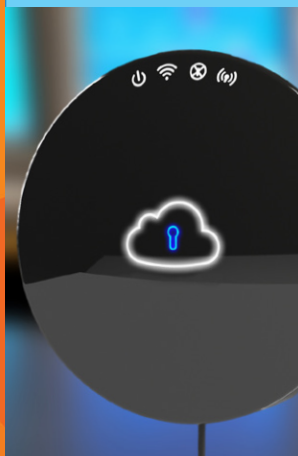
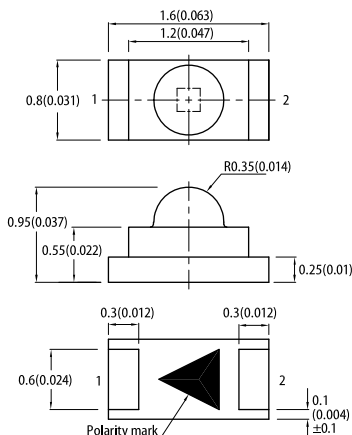
2 mA

625

20

50

60°



Top Emitting SMD APT2012 Package

- Industry standard 0805 footprint
- Provide sufficient luminous intensity at low current
- Sorted at 2mA with low Vf
- 2.0 x 1.2 x 0.75mm (L x W x H)
- Wide viewing angle of 140°
- Good for button backlight and status indication



[APT2012LVBC/D](#)

2 mA

470

15

24

140°

[APT2012LZGCK](#)

2 mA

525

50

100

140°

[APT2012LSYCK/J3-PRV](#)

2 mA

590

15

25

140°

[APT2012LSECK/J4-PRV](#)

2 mA

605

30

50

140°

[APT2012LSECK/J3-PRV](#)

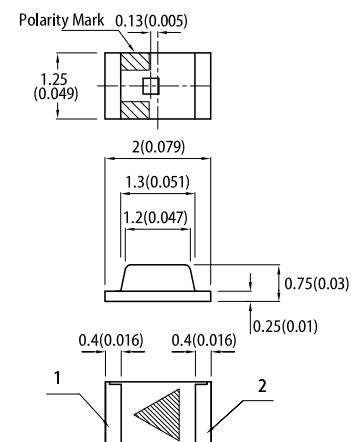
2 mA

625

20

40

140°



Top Emitting SMD APT3216 Package

- Standard 1206 footprint in low current option
- Sorted at 2mA with low Vf
- 3.2 x 1.6 x 0.75mm (L x W x H)
- Wide viewing angle of 140°~150° with uniform output
- Commonly used for button backlight and status indication



[APT3216LVBC/D](#)

2 mA

470

15

24

150°

[APT3216LZGCK](#)

2 mA

525

50

100

150°

[APT3216LSYCK/J3-PRV](#)

2 mA

590

15

25

140°

[APT3216LSECK/J4-PRV](#)

2 mA

605

30

50

140°

[APT3216LSECK/J3-PRV](#)

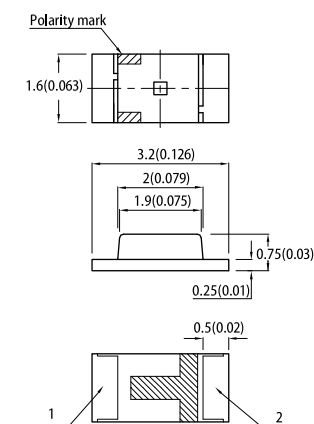
2 mA

625

20

40

140°





Right Angle SMD APA2107 Package

- Compact right angle LED sorted with low current
- 2.1 x 1.0 x 0.6mm (L x W x H)
- Sorted at 2mA with low Vf
- Ideal for backlight, edge lighting and status indication
- Best for battery operated devices
- Wide viewing angle of 140°~170°



[APA2107LVBC/D](#)

2 mA

470

10

20

170°

[APA2107LZGCK](#)

2 mA

525

20

40

170°

[APA2107LSYCK/J3-PRV](#)

2 mA

590

15

30

140°

[APA2107LSECK/J4-PRV](#)

2 mA

605

20

40

140°

[APA2107LSECK/J3-PRV](#)

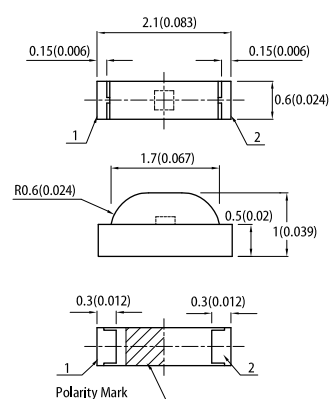
2 mA

625

15

30

140°



Right Angle SMD APDA3020 Package

- Dome lens with narrow viewing angle of 10°
- Enhanced output with low current
- Sorted at 2mA with low Vf
- Best pair up with light guide
- Ideal for sideways status indication
- 3.0 x 2.0 x 2.8mm (L x W x H)
- Available in bi-color



[APDA3020LVBC/D](#)

2 mA

470

80

150

10°

[APDA3020LZGCK](#)

2 mA

525

250

600

10°

[APDA3020LSYCK/J3-PF](#)

2 mA

590

180

500

10°

[APDA3020LSECK/J4-PF](#)

2 mA

605

550

1000

10°

[APDA3020LSECK/J3-PF](#)

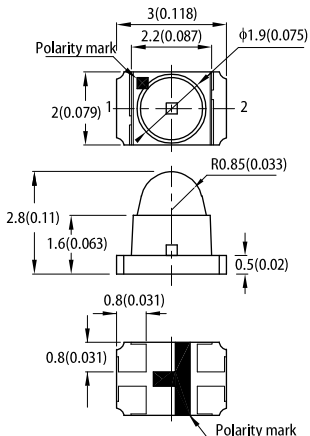
2 mA

625

250

500

10°



Through-hole T-1 (3mm) WP710A10 Package

- High output with low current
- Sorted at 2mA with low Vf
- Reliable and rugged with long life – solid state reliability
- Ideal for battery operated devices
- Tape and reel packaging available upon request



[WP710A10LVBC/D](#)

2 mA

470

180

450

30°

[WP710A10LZGCK](#)

2 mA

525

500

1100

30°

[WP710A10SYCK/J3](#)

2 mA

590

120

200

30°

[WP710A10LSECK/J4](#)

2 mA

605

180

450

30°

[WP710A10LSECK/J3](#)

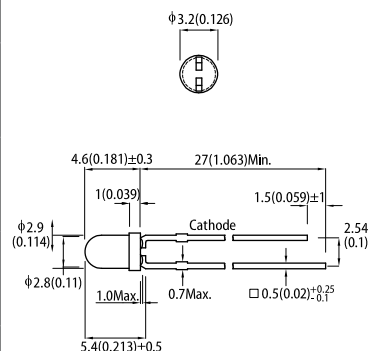
2 mA

625

120

320

30°



Through-hole T-1 3/4 (5mm) WP7113 Package

- High output with low current
- Sorted at 2mA with low Vf
- Reliable and rugged with long life – solid state reliability
- Ideal for general status indication in battery operated devices
- Tape and reel packaging available upon request



[WP7113LVBC/D](#)

2 mA

470

550

1600

20°

[WP7113LZGCK](#)

2 mA

525

1000

3000

20°

[WP7113SYCK/J3](#)

2 mA

590

320

800

20°

[WP7113LSECK/J4](#)

2 mA

605

250

550

20°

[WP7113LSECK/J3](#)

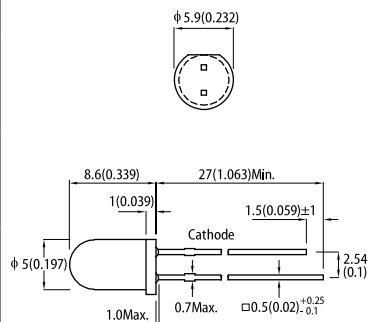
2 mA

625

180

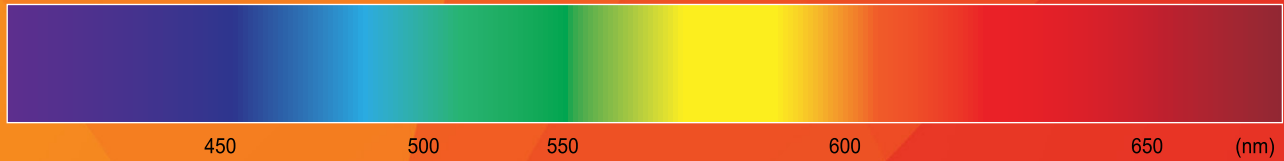
550

20°



KINGBRIGHT COLOR / WAVELENGTH SELECTIONS

Wavelengths available are listed below ranging from 460nm to 940nm. Special colors Ice Blue, Blue Lagoon, Pink and Purple are available in selected series.



460nm Deep Blue	585nm True Yellow	625nm Hyper Red	X=0.24, Y=0.42 Greenish Blue
470nm Blue	590nm Amber/Yellow	630nm Hyper Red	X=0.19, Y=0.37 Blue Lagoon
505nm Aqua Green	600nm Orange	640nm Super Bright Red	X=0.19, Y=0.26 Ice Blue
525nm True Green	610nm Pure Orange	660nm Deep Red	X=0.19, Y=0.05 Purple
555nm Pure Green	618nm Hyper Orange	850-940nm Infrared	X=0.35, Y=0.15 Pink
570nm Lime Green	621nm Hyper Red	X=0.19, Y=0.19 Sapphire Blue	



Kingbright

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