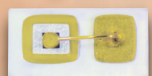# Kingbright

HELIum
WORLD's SMALLEST 0201 SMD LED

Microscopic Footprint

0.35 mm

0.65 mm

HELIum actual size
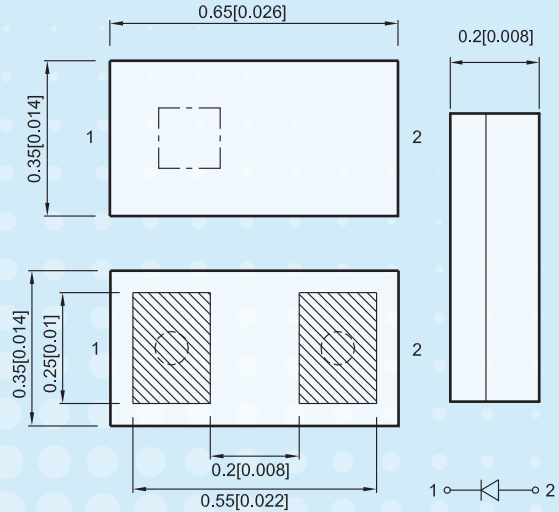*0.65 x 0.35 x 0.2 mm*

HELIUM

WORLD's SMALLEST 0201 SMD LED

Product Features

- Industry's smallest SMD LED – 0201 footprint
- 0.65 x 0.35 x 0.20mm (LxWxH), various colors available
- Compatible with automatic placement equipments
- Moisture sensitivity level: Level 2, RoHS compliant

Applications

- Superb for mobile and wearable applications
- Ideal for disposable medical devices
- Ideal for portable devices with limited space

0.65[0.026]
0.2[0.008]
0.35[0.014]
0.35[0.014]
0.25[0.01]
0.2[0.008]
0.55[0.022]

PRODUCT SPECIFICATION

Product Photos	Part Number	I_F (mA)	λD (nm)	Iv (mcd)		Viewing Angle
				Min.	Typ.	
	APG0603VWF-A1-5MAV	5	☐ X=0.31 Y=0.31	180	320	140°
	APG0603VBC-A1-5MAV	5	■ 468	30	60	140°
	APG0603ZGC-5MAV	5	■ 525	180	280	140°
	APG0603CGC-TT	10	■ 571	6	15	140°
	APG0603SYC-TT	10	■ 589	10	30	140°
	APG0603SEC-TT	10	■ 605	20	50	140°
	APG0603SEC-E-TT	10	■ 624	15	40	140°
	APG0603SURC-TT	10	■ 631	10	35	140°

0.20 mm
0.35 mm
0.65 mm

OTHER COMPACT OPTIONS

APG1005 Series

- Industry's thinnest 0402 footprint
- 1.0x0.5x0.2mm (LxWxH)
- Available in full color spectrum
- Lower Vf required
- High-intensity output

0.2 mm
0.5 mm
1.0 mm

APHB1608 Series

- Standard 0603 footprints with 2 colors, 4 pinouts
- Available in various color combinations
- Suitable for status indication & backlight

0.5 mm
0.8 mm
1.6 mm

APFA2507 Series

- Smallest right angle side-firing tricolor RGB LED
- 2.5x0.7x1.0mm (LxHxW)
- Wide viewing angle
- Lower Vf required
- Generates wide range of mixed colors

1.0 mm
0.7 mm
2.5 mm

Kingbright

lead-free
RoHS 2011/65/EU

ISO 9001:2015 Certificate No. FM 509252
IATF 16949: 2016 Certificate No. TS 505943
ISO 14001: 2015 Certificate No. EMS 505945