



HIGH BRIGHTNESS 0201 – SMD CHIPLEDS

BRIGHT AND RELIABLE LIGHT IN A TINY PACKAGE

KEY FEATURES

- High reliability PCB based
- High efficiency AlInGaP and InGaN technologies
- Grouping parameter: luminous intensity, dominant wavelength (or, for converted colors, CIE 1931 coordinates), and forward voltage
- Preconditioning according to JEDEC® Level 3

APPLICATIONS

- Backlighting
- Indicators
- Button, keypad, logo, instrument illumination for compact devices and smart accessories
- White goods
- Telecommunications equipment



CONSUMER



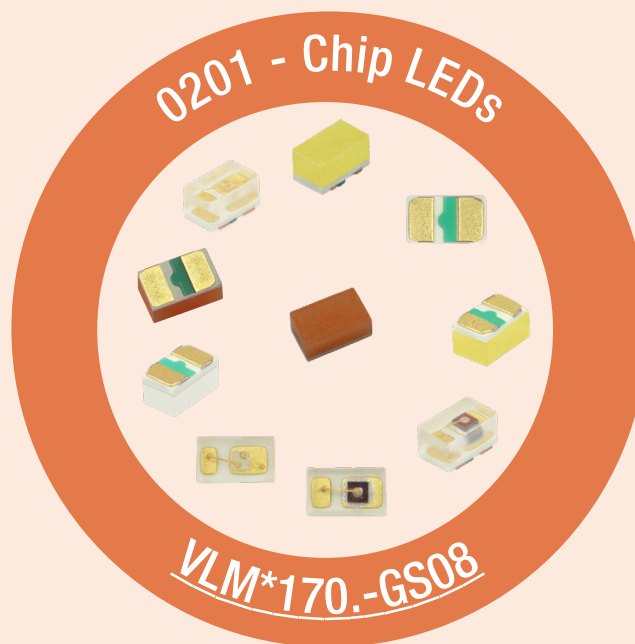
INSTRUMENTATION



TELECOM



INDUSTRIAL



ULTRA COMPACT PACKAGE:
0.65 mm x 0.375 mm x 0.3 mm

BENEFITS

- The 0201 ChipLED delivers brilliant illumination in one of the smallest surface-mount formats available
- Perfectly suited for space-constrained applications in consumer electronics, wearables, industrial systems, and more
- Ultra compact dimensions, low power consumption, a wide viewing angle, and multiple color options engineered for seamless integration into automated SMT processes
- Offering exceptional versatility and performance, the 0201 ChipLED empowers the next generation of compact, high efficiency electronic designs

SELECTOR TABLE

Color	Device Name	Technology	I_v (mcd)	λ_d in nm or x/y	V_F (V)	at I_F (mA)	I_F Max. (mA)	$I_{FP 10\%, 1\text{ kHz}}$ Max. (mA)
White	VLMW1700-GS08	InGaN	36 to 90	0.3/0.3	2.5 to 2.9	2	10	100
Magenta	VLMM1700-GS08	InGaN	11.5 to 45	0.41/0.23	2.4 to 3.1	2	5	10
Blue	VLMB1700-GS08	InGaN	14.5 to 36	464.4 to 476.5	2.3 to 3.1	2	25	100
True Green	VLMTG1700-GS08	InGaN	57 to 140	520 to 535	2.3 to 3.1	2	25	100
Yellow	VLMY1700-GS08	AlInGaP	4.5 to 11.5	585.5 to 594.5	1.55 to 2.35	2	25	100
Soft Orange	VLMO1700-GS08	AlInGaP	7.2 to 18	597.5 to 609.5	1.5 to 2.2	2	25	100
Red	VLMR1700-GS08	AlInGaP	7.2 to 18	617.5 to 633.5	1.55 to 2.35	2	25	100

For technical questions, contact: LED@vishay.com

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