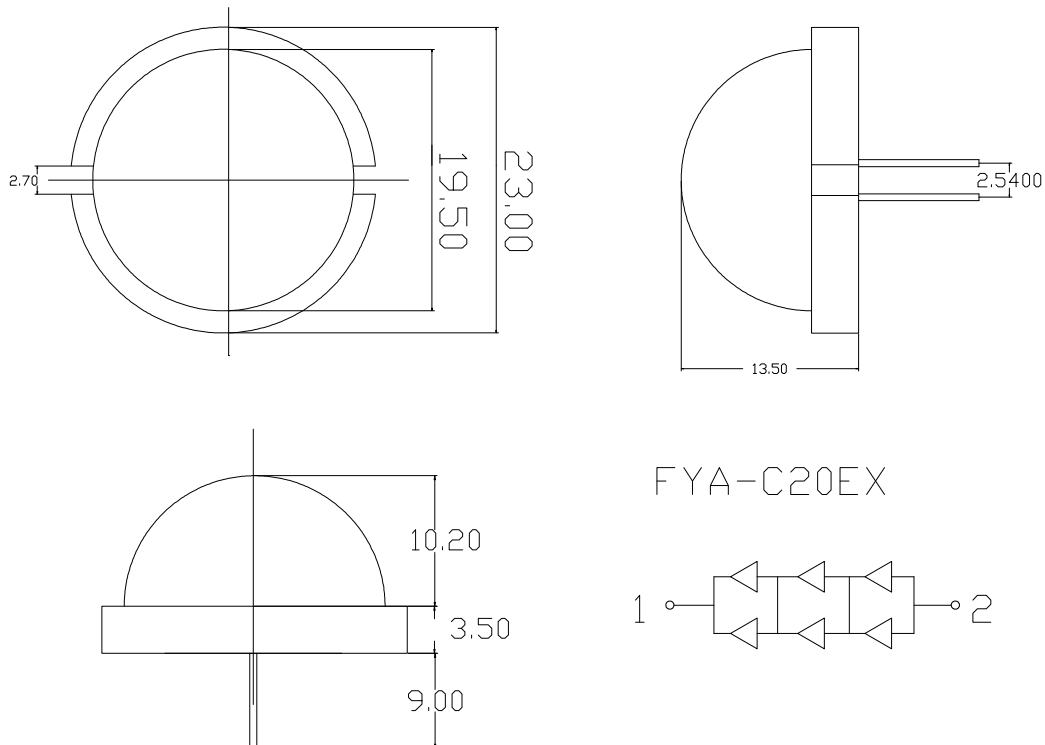


DESCRIPTION

- **Φ20 Circle single color LED light bar display series**
- **Standard brightness.**
- **Low current operation.**
- **Excellent character appearance.**
- **Easy mounting on P.C. boards or sockets**

Package Dimensions & Internal Circuit Diagram

FYA-C20E Series



Notes:

- All dimensions are in millimeters (inches)
- Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.
- Specifications are subject to change without notice.

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Add: No.115 Qinxin Road Ningbo Zhejiang China

TEL : 0574-87933652 87927870 FAX: 0574-87927917

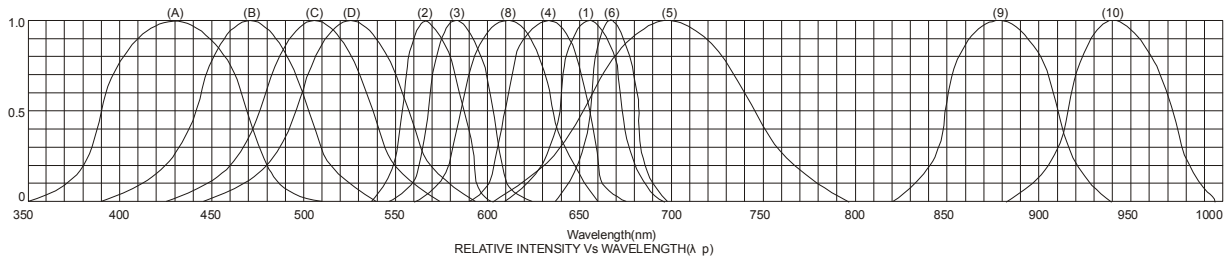
[Http://www.foryard.com](http://www.foryard.com)

E-mail:sales@foryard.com

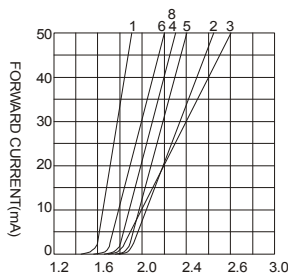
一、光电特性 Electrical-Optical Characteristics (Ta=25℃) Test Condition: IF=20ma

Emitting Color	Dice Material	Peak Wave Length(λP)	Spectral Line halfwidth (Δλ)	Forward Voltage(VF) Unit:V		Luminous Intensity(chip) (Iv) Unit:mcd	
				Typ	Max		
Standard brightness							
H	Red	GaP	700nm	90nm	2.00	2.50	1
S	Hi Red	AlGaAs/SH	660nm	20nm	1.80	2.50	15-20
D	Super Red	AlGaAs/DH	650nm	20nm	1.90	2.50	26-38
E	Orange	GaAsP	625nm	35nm	1.90	2.50	14-20
A	Amber	GaAsP	610nm	35nm	1.90	2.50	13-18
Y	Yellow	GaAsP	590nm	35nm	1.90	2.50	19-18
G	Green	GaP	570nm	10nm	1.90	2.50	14-18
B	Blue	InGaN	430nm	60nm	3.4	4.40	0.7-1(mw)
	Blue	InGaN	460nm	60nm	2.80	3.80	6-12(mw)
	Blue	InGaN	470nm	60nm	2.80	3.80	6-12(mw)
PG	Pure Green	InGaN	520nm	36nm	2.80	3.80	4-6(mw)
W	White	InGaN	X:0.29,y:0.30	CCT:9500K	2.80	3.8	20-30
Ultra brightness							
UHR	Ultra Hi Red	AlGaInP	640nm	20nm	1.90	2.50	30-60
UR	Ultra Red	AlGaInP	635nm	20nm	1.90	2.50	60-100
UE	Ultra Orange	AlGaInP	625nm	20nm	1.90	2.50	60-120
UA	Ultra Amber	AlGaInP	610nm	20nm	1.90	2.50	40-100-150
UY	Ultra Yellow	AlGaInP	590nm	20nm	1.90	2.50	50-140-190
UG	Ultra Green	AlGaInP	570nm	30nm	1.90	2.50	30-60-80
PG	Ultra Pure Green	InGaN	520nm	36nm	2.80	3.80	260-310
BG	Ultra Bluish Green	InGaN	505nm	36nm	2.80	3.80	260-310
UB	Ultra Blue	InGaN	460nm	30nm	2.80	3.80	80-90-120
	Ultra Blue	InGaN	470nm	30nm	2.80	3.80	80-90-120
UW	Ultra White	InGaN	X:0.29,Y:0.30	CCT:9500K	2.80	3.80	180-200
Segment-to-Segment Luminous Intensity Ratio(Iv-M)					1.5:1		

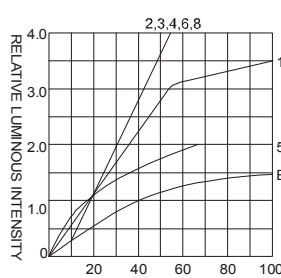
NOTE: 1. Luminous Intensity Based on is Foryard standards
2. Pay attention to against static for InGaN!



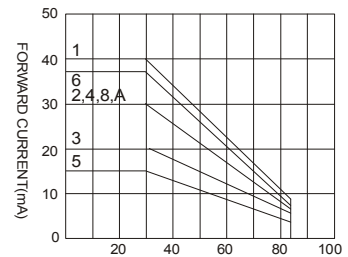
- (1) - GaAsP/GaAs 655nm/Red
- (2) - GaP 570nm/Yellow Green
- (3) - GaAsP/GaP 585nm/Yellow
- (4) - GaAsP/GaP 635nm/Orange & Hi-Eff Red
- (5) - GaP 700nm/Bright Red
- (6) - GaAlAs/GaAs 660nm/Super Red
- (8) - GaAsP/GaP 610nm/Super Red
- (9) - GaAlAs 880nm
- (10) - GaAs/GaAs & GaAlAs/GaAs 940nm
- (A) - GaN/SiC 430nm/Blue
- (B) - InGaN/SiC 470nm/Blue
- (C) - InGaN/SiC 505nm/Ultra Green
- (D) - InGaAl/SiC 525nm/Ultra Green



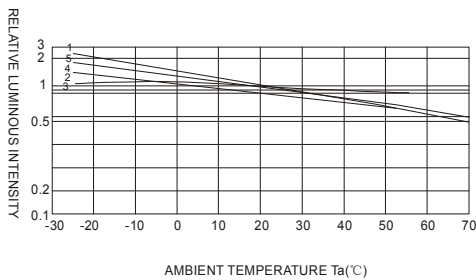
FORWARD VOLTAGE (Vf)
FORWARD CURRENT VS.
FORWARD VOLTAGE



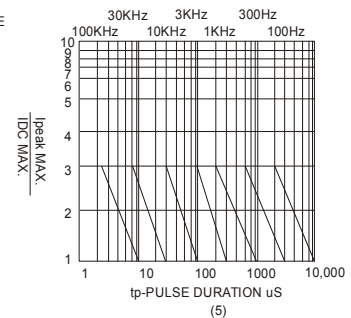
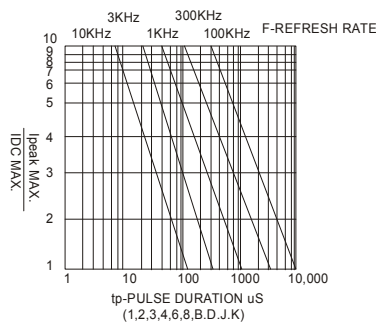
FORWARD CURRENT (mA)
RELATIVE LUMINOUS
INTENSITY VS. FORWARD
CURRENT



AMBIENT TEMPERATURE Ta(°C)
FORWARD CURRENT VS. AMBIENT
TEMPERATURE



AMBIENT TEMPERATURE Ta(°C)



NOTE:25°C free air temperature unless otherwise specified

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