

Multi-Section Type

NO	PART NUMBER	TYPE	IF	Light-emitting area size (mm)	DIMENSIONS (mm)
1	FYA-R055706AZX-XX	MUTI-SECTION TYPE	10mA	10.60*5.20	57.20*7.00*6.00
2	FYA-R055706BZX-XX	MUTI-SECTION TYPE	10mA	10.60*5.20	57.20*7.00*6.00
3	FYA-R102510AC-DXX-XX	MUTI-SECTION TYPE	10mA	5.00*1.74	10.10*25.40*6.80
4	FYA-R102510AZX-XX	MUTI-SECTION TYPE	10mA	5.00*1.74	10.10*25.40*6.80
5	FYA-R102510AZXX-XX	MUTI-SECTION TYPE	10mA	5.00*1.74	10.10*25.40*6.80
6	FYA-R102510BC-DXX-XX	MUTI-SECTION TYPE	10mA	5.00*1.74	10.10*25.40*7.90
7	FYA-R102510BZX-XX	MUTI-SECTION TYPE	10mA	5.00*1.74	10.10*25.40*7.90
8	FYA-R102510BZXX-XX	MUTI-SECTION TYPE	10mA	5.00*1.74	10.10*25.40*7.90
9	FYA-R123010AZX-XX	MUTI-SECTION TYPE	10mA	5.00*1.74	10.10*30.40*8.00
10	FYA-R123010BZXX-XX	MUTI-SECTION TYPE	10mA	5.00*1.74	10.10*30.40*8.00



Square Type

NO	PART NUMBER	TYPE	IF	Light-emitting area size (mm)	DIMENSIONS (mm)
1	FYA-R1005AZX-XX	SQUARE TYPE	10mA	8.70*3.55	10.00*4.85*6.00
2	FYA-R1006AZX-XX	SQUARE TYPE	10mA	9.50*5.00	10.50*6.00*7.80
3	FYA-R1006BZX-XX	SQUARE TYPE	10mA	9.50*5.00	10.50*6.00*7.80
4	FYA-R1206AZX-XX	SQUARE TYPE	10mA	10.60*5.20	12.00*6.00*7.00
5	FYA-R1206BZX-XX	SQUARE TYPE	10mA	10.60*5.20	12.00*6.00*7.00
6	FYA-R1206CZX-XX	SQUARE TYPE	10mA	10.60*5.20	12.00*6.00*7.00
7	FYA-R1308AZX-XX	SQUARE TYPE	10mA	12.00*7.00	13.00*8.00*7.80
8	FYA-R1408AZX-XX	SQUARE TYPE	10mA	13.00*6.50	14.0*7.50*8.00
9	FYA-R1408ZX-XX	SQUARE TYPE	10mA	13.00*6.50	14.0*7.50*8.00
10	FYA-R1715AZX-XX	SQUARE TYPE	10mA	16.20*14.20	17.00*15.00*6.50
11	FYA-R2005AZX-XX	SQUARE TYPE	10mA	19.00*3.80	20.30*5.00*6.20
12	FYA-R2010AZX-XX	SQUARE TYPE	10mA	19.00*8.90	20.00*10.00*6.15
13	FYA-R2010BZX-XX	SQUARE TYPE	10mA	19.00*8.90	20.00*10.00*6.15
14	FYA-R2820AZX-XX	SQUARE TYPE	10mA	26.00*18.00	28.00*20.00*8.80
15	FYA-R3219AZX-XX	SQUARE TYPE	10mA	17.00*30.00	19.00*32.00*7.80
16	FYA-R3222AZX-XX	SQUARE TYPE	10mA	20.00*30.00	22.00*32.00*10.00
17	FYA-R7030AZX-XX	SQUARE TYPE	10mA	67.60*28.00	70.00*30.00*7.80
18	FYA-R8030AZX-XX	SQUARE TYPE	10mA	78.20*28.00	80.00*30.00*10.80
19	FYA-R022010AZX-XX	SQUARE TYPE	10mA	4.00*19.00	20.00*10.00*6.15
20	FYA-R022010BZX-XX	SQUARE TYPE	10mA	9.00*8.90	20.00*10.00*6.15
21	FYA-R042010AZX-XX	SQUARE TYPE	10mA	4.00*8.90	20.00*10.00*6.15
22	FYA-S10AZX-XX	SQUARE TYPE	10mA	9.00*9.00	10.00*10.00*6.80
23	FYA-S15AZX-XX	SQUARE TYPE	10mA	13.40*13.40	15.00*15.00*11.00
24	FYA-S15BZX-XX	SQUARE TYPE	10mA	13.40*13.40	15.00*15.00*11.00
25	FYA-S15CZX-XX	SQUARE TYPE	10mA	13.40*13.40	15.00*15.00*11.00
26	FYA-S27AZX-XX	SQUARE TYPE	10mA	24.60*24.60	27.00*27.00*11.00
27	FYA-S27BZX-XX	SQUARE TYPE	10mA	24.60*24.60	27.00*27.00*11.00
28	FYA-S27DZX-XX	SQUARE TYPE	10mA	24.60*24.60	27.00*27.00*11.00
29	FYA-S30AZX-XX	SQUARE TYPE	10mA	28.00*28.00	30.00*30.00*10.00
30	FYA-S30BZX-XX	SQUARE TYPE	10mA	28.00*28.00	30.00*30.00*10.00
31	FYA-S30CZX-XX	SQUARE TYPE	10mA	28.00*28.00	30.00*30.00*10.00
32	FYA-S40AZX-XX	SQUARE TYPE	10mA	37.20*37.20	40.00*40.00*10.90
33	FYA-S40BZX-XX	SQUARE TYPE	10mA	37.20*37.20	40.00*40.00*10.90
34	FYA-S101ZX-XX	SQUARE TYPE	10mA	9.00*9.00	10.00*10.00*6.15
35	FYA-S0210AZX-XX	SQUARE TYPE	10mA	9.00*9.00	10.00*10.00*6.15
36	FYA-S0212AZX-XX	SQUARE TYPE	10mA	5.20*10.60	12.00*12.00*7.00



Round Type

NO	PART NUMBER	TYPE	IF	Light-emitting area size (mm)	DIMENSIONS (mm)
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1	FYA-C10AZX-XX	ROUND TYPE	10mA	φ8.8	φ10*8
2	FYA-C10CZX-XX	ROUND TYPE	10mA	φ8.8	φ10*8
3	FYA-C18AZX-XX	ROUND TYPE	10mA	φ15.5	φ18*11
4	FYA-C20AZX-XX	ROUND TYPE	10mA	φ20	φ20*10
5	FYA-C1301AZX-XX	ROUND TYPE	10mA	φ11	φ12.5*8



Special Type

NO	PART NUMBER	TYPE	IF	Light-emitting area size (mm)	DIMENSIONS (mm)
1	FYA-R021407AZX-XX	SPECIAL TYPE	10mA	6.00*1.40	15.40*6.40*7.00
2	FYA-R032207AZX-XX	SPECIAL TYPE	10mA	6.00*1.40	22.85*7.00*6.00
3	FYA-R053007AZX-XX	SPECIAL TYPE	10mA	6.00*1.00	29.90*7.00*8.50
4	FYA-T13AZX-XX	SPECIAL TYPE	10mA	12.77*11.60	14.50*12.56*8.00
5	FYA-T20AZX-XX	SPECIAL TYPE	10mA	22*19.05	22.00*19.05*10.00
6	FYA-T2518AZX-XX	SPECIAL TYPE	10mA	13.00*19.50	18.00*25.00*8.00
7	FYA-T2518BZX-XX	SPECIAL TYPE	10mA	13.00*19.50	18.00*25.00*8.00
8	FYA-T4625AZX-XX	SPECIAL TYPE	10mA	39.43*21.84	46.00*25.5*8.00
9	FYA-T4625BZX-XX	SPECIAL TYPE	10mA	39.43*21.84	46.00*25.5*8.00
10	FYA-T032714AZX-XX	SPECIAL TYPE	10mA	11.00*25.00	14.00*27.60*8.50
11	FYA-T033524AZX-XX	SPECIAL TYPE	10mA	14.00*31.00	24.00*35.00*10.00
12	FYA-T052522AZX-XX	SPECIAL TYPE	10mA	19.42*12.00	25.50*22.50*10.70
13	FYA-T053222AZX-XX	SPECIAL TYPE	10mA	25.00*14.50	32.00*22.00*9.00
14	FYA-T054229AZX-XX	SPECIAL TYPE	10mA	15.00*37.00	29.00*42.00*8.80
15	FYA-T055630AZX-XX	SPECIAL TYPE	10mA	26.00*45.00	30.00*56.00*11.20
16	FYA-T056341AZX-XX	SPECIAL TYPE	10mA	27.00*50.60	41.00*63.80*12.20



General Technical Information

Absolute Maximum Ratings

Parameter	Symbol	Test Condition	Value		Unit
			Min	Max	
Reverse Voltage	VR	IR=30	5	—	V
Forward Current	IF	—	—	30	mA
Power Dissipation	Pd	—	—	100	mW
Pulse Current	Ipeak	ty=0.1mS,1K	—	150	mA
Operating Temperature	Topr	—	-40	+85	°C
Storage Temperature	Tstr	—	-40	+85	°C

Electronic-Optical Characteristics

Emitting Color	Dice Material	Peak Wave Length(λP)	Spectral Line halfwidth	Forward Voltage(VF) Unit:V		Luminous Intensity (Iv) Unit:mcd	
				Typ	Max		
Standard brightness							
S	Hi Red	AlGaInP	660nm	20nm	2,0	2,5	10~20
D	Super Red	AlGaAs/DH	650nm	20nm	2,0	2,5	15~30
E	Orange	GaAsP	625nm	35nm	2,0	2,5	10~21
A	Amber	GaAsP	610nm	35nm	2,0	2,5	10~20
Y	Yellow	GaAsP	590nm	35nm	2,0	2,5	10~20
G	Yellow Green	AlGaInP	570nm	10nm	2,0	2,5	10~20
B	Blue	InGaN	460nm	60nm	3,0	3,8	9~20(mw)
B	Blue	InGaN	470nm	60nm	3,0	3,8	9~20(mw)
W	White	InGaN/GaN	λ=0.29, Y=0.3	CCT:9500K	3,0	3,8	60~120~180
Ultra brightness							
UHR	Ultra Hi Red	AlGaInP	640nm	20nm	2	2,5	20~50
UR	Ultra Red	AlGaInP	635nm	20nm	2	2,5	40~70
UE	Ultra Orange	AlGaInP	625nm	20nm	2	2,5	40~85
UA	Ultra Amber	AlGaInP	610nm	20nm	2	2,5	30~105
UY	Ultra Yellow	AlGaInP	590nm	20nm	2	2,5	30~135
UG	Ultra Yellow Gr	AlGaInP	570nm	30nm	2	2,5	20~60
PG	Pure Green	InGaN	520nm	36nm	3	3,8	350~450
UB	Ultra Blue	InGaN/GaN	460nm	30nm	3	3,8	120~180
UB	Ultra Blue	InGaN/GaN	470nm	30nm	3	3,8	120~180
UW	Ultra White	InGaN/GaN	λ=0.29, Y=0.3	CCT:9500K	3	3,8	280~600
Segment-to-Segment Luminous Intensity ratio(Iv-M)				1.5:1			

For further information, data-sheets, and samples you are welcome to contact us

三、LED BARGRAPH & LIGHTBAR

FY A - R 10 2510 B Z S - 1 1 - XXX - XXXXXX
 1 2 3 4 5 6 7 8 9 10 11 12

- 1.Brand: FORYARD
- 2.Mode:
- 3.Shape: R:Rectangular S:Square C:Circle T:Arrow (The above custom made products are omitted)
- 4.Display Area Number
- 5.Reflector Length & Reflector Width: 2510--25mm*10mm
- 6.Model Number:A、 B、 C---Mode A、 B、 C---
- 7.Drive Mode: A、 C、 E-----Common Cathode B、 D、 F-----Common Anode Z-----Common use
- 8.Color Code:

CODE	COLOR	λ p	MATERIAL	CODE	COLOR	λ p	MATERIAL
H	Red	700	GaP	UHR	Ultra Hi Red	640	AlGaInP
S	Hi Red	660	AlGaInP	UR	Ultra Red	635	AlGaInP
D	Super Red	650	AlGaAs,DH	UE	Ultra Orange	625	AlGaInP
E	Orange	625	GaAsP	UA	Ultra Amber	610	AlGaInP
A	Amber	610	GaAsP	UY	Ultra Yellow	590	AlGaInP
Y	Yellow	590	GaAsP	UG	Ultra Green	570	AlGaInP
G	Yellow Green	570	AlGaInP	PG	Ultra Pure Green	520	InGaN
B	Blue	460/470	InGaN	BG	Ultra Bluish Green	505	InGaN
W	White	/	InGaN	UB	Ultra Blue	460/470	InGaN/GaN
				UW	Ultra White	/	InGaN/GaN

- 9.Reflector Surface Color:
 0:White Surface 1:Black Surface 2:Gray Surface 3:Red Surface 4:Blue Surface ----

- 10.Segment Epoxy Color:
 0:Water Clear 1:White Diffused 2:Red Diffused 3:Green Diffused
 4:Yellow Diffused 5:YAG Diffused 6:Blue Diffused

- 11.Special Code:
 LXX:Pin Length B:Both Side Decimal Point N:No Decimal Point DW:Double Wire
 M: Surface Patch BS:Black Sides Z:Pin Bent (Regular products omitted)

12 Company Bom Code