

# LED Bar Graph

Part Nos. 08DC10IDA, 08DC10HDA, 08DC10GDA, 08DC10YDA, 08DC10ODA

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## LED BARGRAPH DISPLAY

FYA-R102510ZX-XX

- **Features:**
- 40X25mm 10 segment single color bargraph display series
- Standard brightness
- Low current operation.
- Excellent character appearance.
- Easy mounting on P.C.boards or sockets.
- I.C.compatible.

- **Part No.:**

Part No	Iv TYP.(mcd)	RSR Part No.
FYA-R102510ZS-XX	35	08DC10IDA
FYA-R102510ZD-XX	60	08DC10HDA
FYA-R102510ZE-XX	25	08DC10ODA
FYA-R102510ZY-XX	20	08DC10YDA
FYA-R102510ZG-XX	25	08DC10GDA

- **Description:**
- Color Code & Chip characteristics: (Test Condition: IF=20mA)

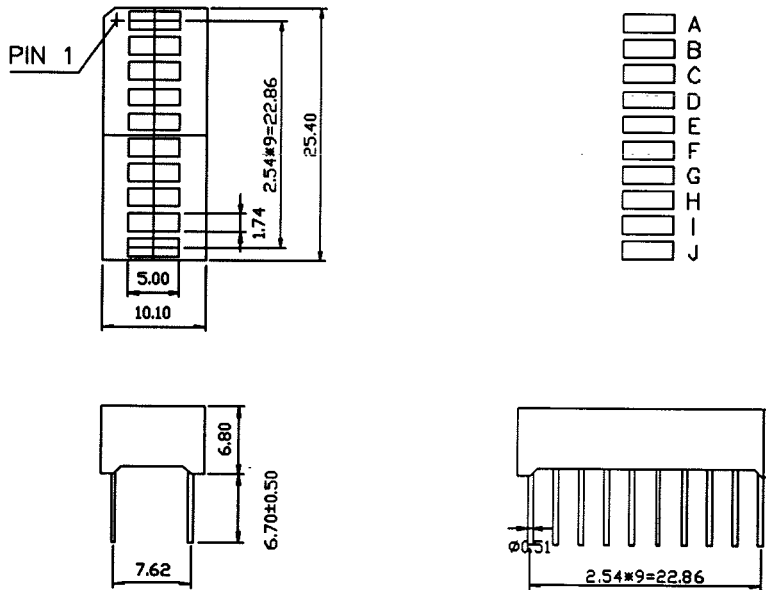
Emitting Color	Dice Material	Peak Wave Length ( $\lambda_p$ )	Spectral Line halfwidth ( $\lambda_{1/2}$ )	Forward Voltage(VF) Unit:V		Luminous Intensity (Iv) Unit:ucd
				Typ	Max	
S Hi Red	GaAlAs/GaAs,SH	660nm	20nm	1.85	2.20	3500
D Super Red	GaAlAs/GaAs,DH	660nm	20nm	1.85	2.20	6000
E Orange	GaAsP/GaP	635nm	35nm	2.10	2.50	2500
Y Yellow	GaAsP/GaP	585nm	35nm	2.10	2.50	2000
G Green	GaP/GaP	570nm	30nm	2.20	2.50	2500

- **•XX: Surface / Lens color•**

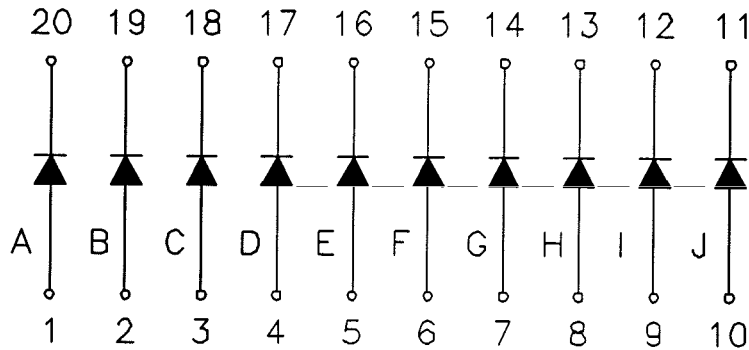
Number	0	1	2	3	4	5
Ref Surface Color	White	Black	Gray	Red	Green	
Epoxy Color	Water clear	White diffused	Red Diffused	Green Diffused	Yellow Diffused	

- Package configuration & Internal circuit diagram:

FYA-R102510 Series



FYA-R102510Zx



Notes:

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

**LED BARGRAPH DISPLAY**

FYA-R102510ZXX-XX

**• •Electrical-optical characteristics: (Ta=25• )**

Parameter	Symbol	GaP(Red)	AlGaAs	GaAsP	GaP(Green)	Unit
Power Dissipation	$P_{ad}$	40	60	80	80	mW
Peak Forward Current *	$I_{pf}$	50	150	150	150	mA
Continuous Forward Current	$I_{af}$	15	25	30	30	mA

Notes:

- \* Test Condition = Duty 0.1,10KHZ

**Absolute maximum ratings (Ta=25• )**

Reverse Voltage	5V
Reverse Current	20 $\mu$ A
Operating Temperature Range	-40• to+85• •
Storage Temperature Range	-40• to+85• •
Lead Solder Temperature (1.6mm(1/16")from body)	230• •for 5 Seconds