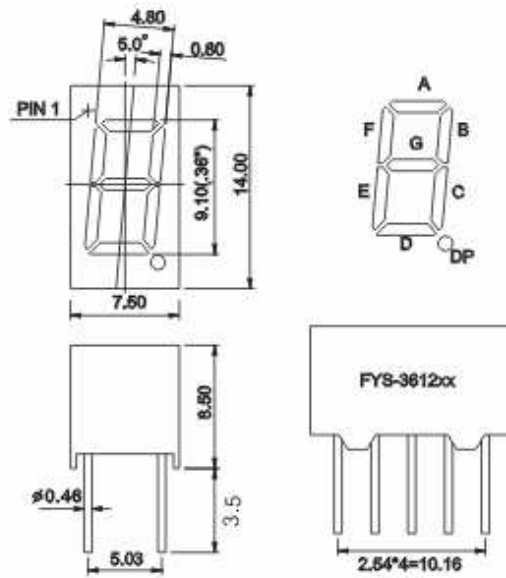


DESCRIPTION

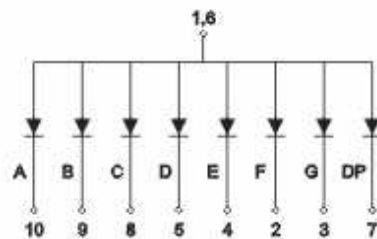
- 9.1mm (0.36") Single digit numeric display series.
- Standard brightness.
- Low current operation.
- Excellent character appearance.
- Easy mounting on P.C.boards or sockets

Package Dimensions & Internal Circuit Diagram

FYS-3612 Series



FYS-3612Bx



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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ZIP:315051

Add: No.115 Qinxin Road Ningbo Zhejiang China

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E-mail:sales@foryard.com

: Absolute maximum ratings (Ta=25°C)

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

• -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 | |

■ Description:

• Color Code & Chip characteristics: (Test Condition: IF=20mA)

| Emitting Color | | Dice Material | Peak Wave Length(λ _P) | Spectral Line halfwidth(Δλ1/2) | Forward Voltage(VF) Unit:V | | Luminous Intensity (Iv) Unit:mcd |
|---|--------|---------------|-----------------------------------|--------------------------------|-------------------------------|------|-------------------------------------|
| | | | | | Typ | Max | |
| S | Hi Red | AlGaAs,SH | 660nm | 20nm | 1.80 | 2.20 | 20-25 |
| Segment-to-Segment Luminous Intensity ratio(Iv-M) | | | | | 1.5:1 | | |

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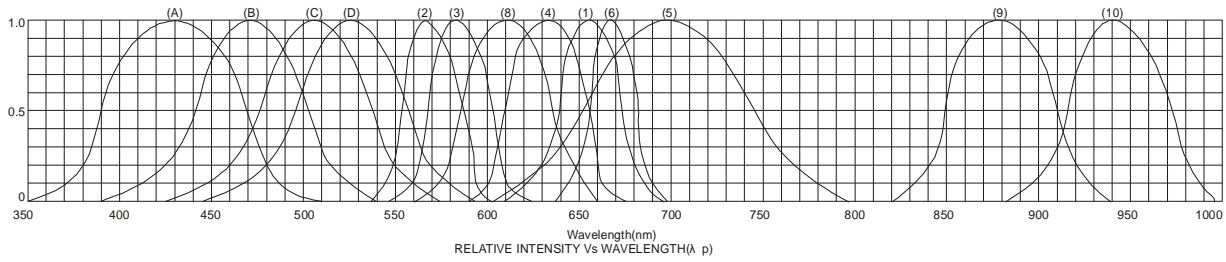
ZIP:315051

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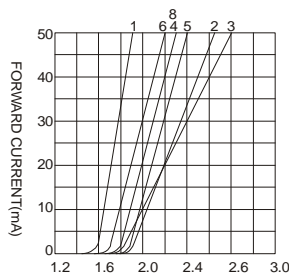
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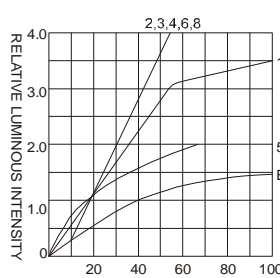
E-mail:sales@foryard.com



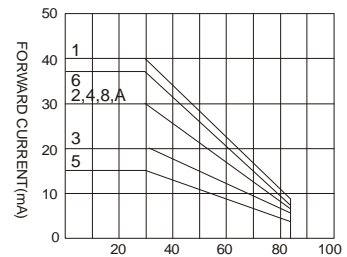
- | | |
|---|--------------------------------------|
| (1) - GaAsP/GaAs 655nm/Red | (9) - GaAlAs 880nm |
| (2) - GaP 570nm/Yellow Green | (10) - GaAs/GaAs & GaAlAs/GaAs 940nm |
| (3) - GaAsP/GaP 585nm/Yellow | (A) - GaN/SiC 430nm/Blue |
| (4) - GaAsP/GaP 635nm/Orange & Hi-Eff Red | (B) - InGaN/SiC 470nm/Blue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



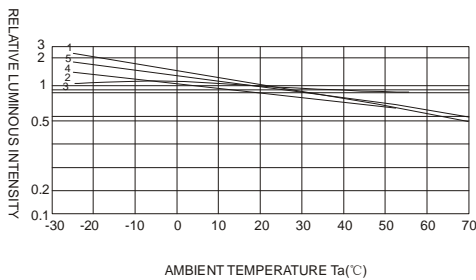
FORWARD VOLTAGE (Vf)
FORWARD CURRENT VS.
FORWARD VOLTAGE



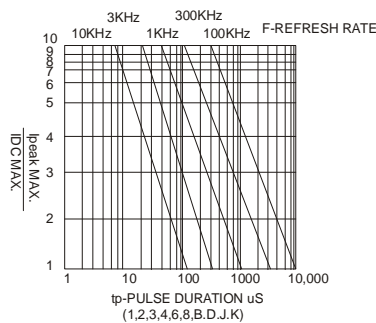
FORWARD CURRENT (mA)
RELATIVE LUMINOUS
INTENSITY VS. FORWARD
CURRENT



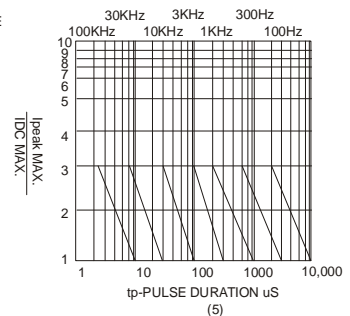
AMBIENT TEMPERATURE Ta(°C)
FORWARD CURRENT VS. AMBIENT
TEMPERATURE



AMBIENT TEMPERATURE Ta(°C)



tp-PULSE DURATION μS
(1,2,3,4,6,8,B,D,J,K)



(5)

NOTE: 25°C free air temperature unless otherwise specified

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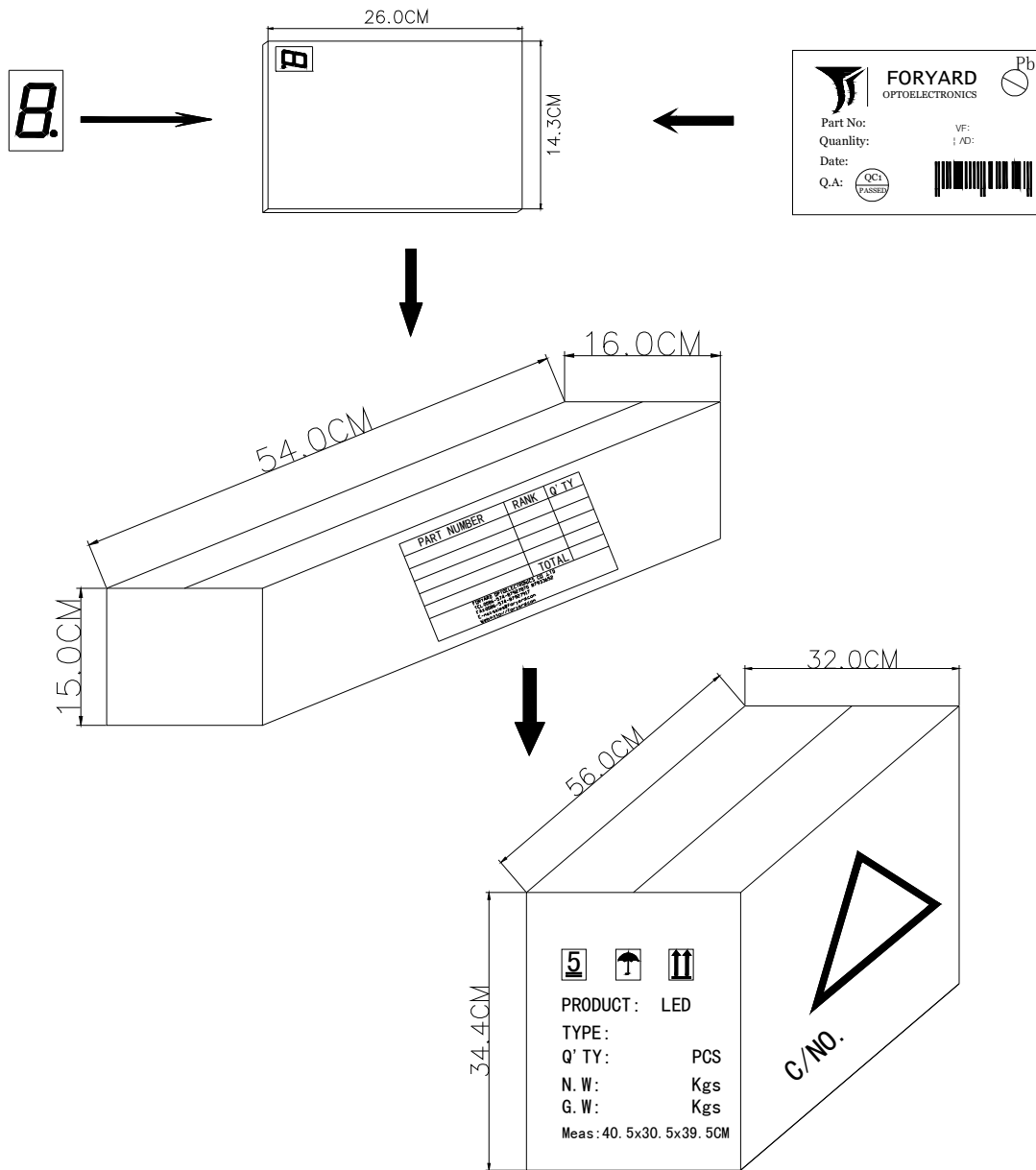
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| type | QTY/foam(pcs) | QTY /Bundle (pcs) | QTY /CARTONDimension |
|--------------------|---------------|-------------------|----------------------|
| FYS-3612BS-21-L3.5 | 18*17=306 | 306*16=4896 | 4896*4=19584 |
| | | | |

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