

Model No.	FYM-12572A/BX-XX
Rev.	А

PRODUCT SPECIFICATION

Model No.: FYM-12572A/BX-XX

Descriptions & Features:

- ■1.2 inch (31.80mm) Matrix height, Dot Matrix Display
- ■5*7Array with X-Y Select.
- Case mold type.
- RoHS compliant.
- Low current operation
- Low power consumption.
- Easy mounting on P.C. board or socket.









Zip:315051

CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

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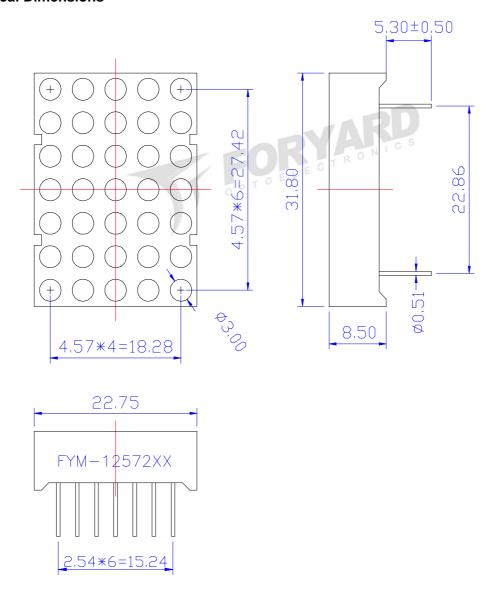


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■ -XX: REF Surface / Epoxy color

Color Number	0	1	2	3	4
REF Surface Color	○ White	O Black	○ Gray	○ Red	○ Green
Epoxy Color	O Water Clear	O White	○ Red	O Green	○ Yellow

■ Mechanical Dimensions



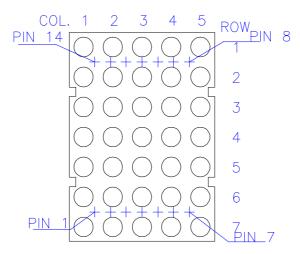
Notes:

- 1. All pins are Φ0.51[.020]mm
- 2. Dimension in millimeter [inch], tolerance is ± 0.25 [.010] and angle is $\pm 1^{\circ}$ unless otherwise noted.
- 3. Bending≤Length*1%.
- 4. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.



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■ All Light On Dot Feature & Pin Position

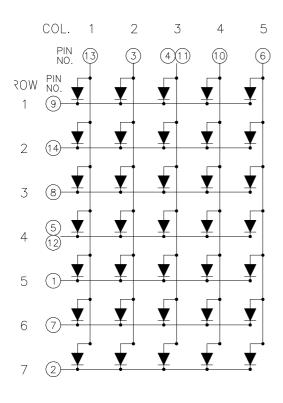


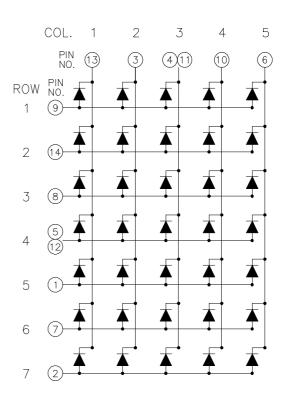
■ Internal Circuit Diagrams

FYM-12572Ax



FYM-12572Ax







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■ Absolute maximum ratings

(Ta=25°C)

Par ameter	Symbol	Test Condition	Value		Unit
rai ailletei	Par ameter Symbol		Min	Max	Offic
Reverse Voltage	VR	IR=30	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	$^{\circ}$
Storage Temperature	Tstr	_	-40	+85	${\mathbb C}$

■ Electrical-Optical Characteristics

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

(Ta=25°C)

Toda & Only Ondractonstics. (16st Condition.)					(14-20 C)		
E	Emitting Color	Dice Material	Peak Wave Length(λ _P)	Spectral Line halfwidth(Δ λ1/2)		ward /F) Unit:V Max	Luminous Intensity (Iv) Unit:mcd
				K172)	тур	IVIAA	Omt.mod
Stand	dard brightness						
Н	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
Е	Orange	GaAsP	625nm	35nm	1.90	2.50	14~20
Α	Amber	GaAsP	610nm	35nm	1.90	2.50	13~18
Υ	Yellow	GaAsP	590nm	35nm	1.90	2.50	13~18
G	Green	GaP	570nm	10nm	1.90	2.50	14~18
			430nm		3.40	4.40	0.7~1(mw)
В	Blue	InGaN	460nm	60nm	2.80	3.80	6~12(mw)
			470nm		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	3.80	20~30
Ultra	brightness						
UHR	Ultra Hi Red	AlGalnP	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	AlGalnP	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	AlGalnP	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
LID		In CaN	460nm	30nm	2.80	3.80	80~90~120
UB	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
Dot-to	Dot-to-Dot Luminous Intensity ratio(Iv-M) 1.5:1						

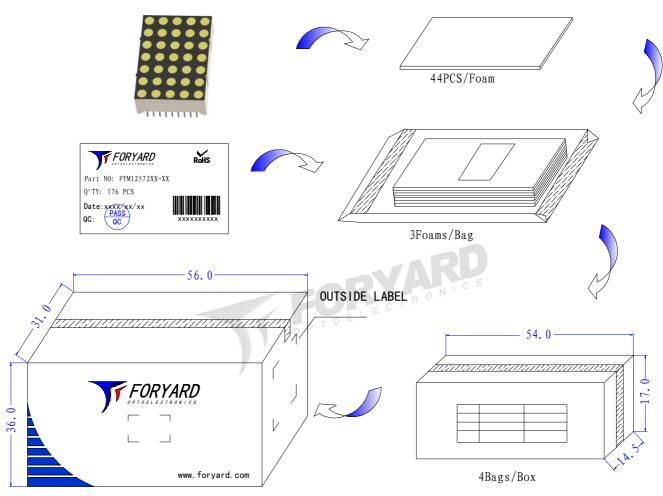
Note:

- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN



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■ Packing Diagram



4Boxes/Carton



OUTSIDE LABEL

Note: The specifications are subject to change without notice. Please contact us for updated information.