EXCEED PERSEVERANCE ELECTRONIC INDUSTRY CO., LTD.

深圳市超毅光电子有限公司

2.3”8×8 Dot Matrix Display.

Part Number:

RL-M2388GBW RL- M2388YBW RL- M2388OAW

RL- M2388SRW RL- M2388RBW

Features

1.LOW POWER CONSUMPTION.

2.RELIABLE AND RUGGED.

3.EXCELLENT UNIFORMITY OF LIGHT OUTPUT.

4.SUITABLE FOR LEVEL INDICATOR.

5.I.C COMPATIBLE.

6.LONG LIFE-SOLIDSTATE RELIABILTY.

Notes:

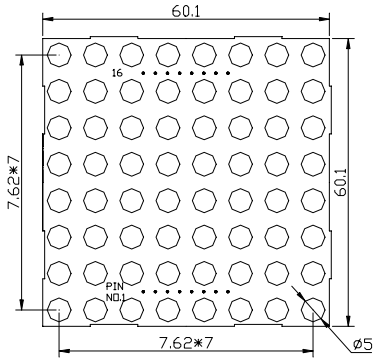
1.All dimensions are in millimeters (inches)

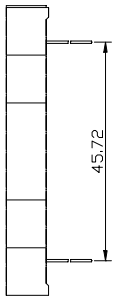
2.Tolerance is±0.25(0.01″)unless otherwise niter

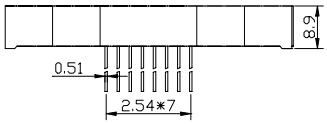
3.Lead spacing is measured where the lead emerge package

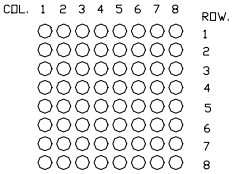
4.Speciflcations are subject to change without notice

Package Dimensions ＆ Internal Circuit Diagram.

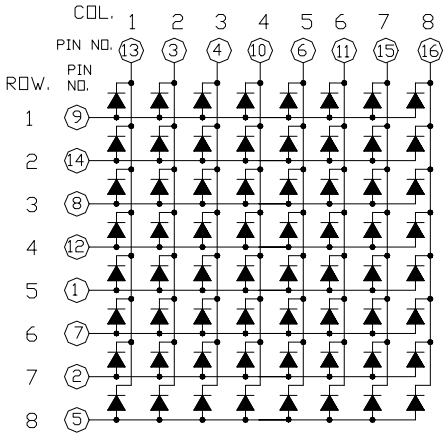








RL-M2388



Selection Guide

Part NO.	Chip			Vf (V)			Face Color	C.C Or CA
	Material	Emitted Color	Λp (nm)	Typ.	Max	At IF=mA		
RL- M2388GBW	GaP	Yellow Green	570	4500	6750	20	Black	C.C.
RL- M2388YBW	GaAsP/GaP	Yellow	585	2160	3241	20	Black	C.C
RL- M2388OAW	GaAsP/GaP	Orange Red	630	2740	4110	20	Gray	C.A.
RL- M2388SRW	GaAlAs	Super Red	660	6190	9280	20	Red	C.A.
RL- M2388RBW	GaP/GaP	Bight Red	700	450	680	20	Black	C.A.

1.All dimensions are in millimeters (inches), Tolerance is±0.25(0.01″) unless otherwise noted.

2.Specifications are subject to change without notice.

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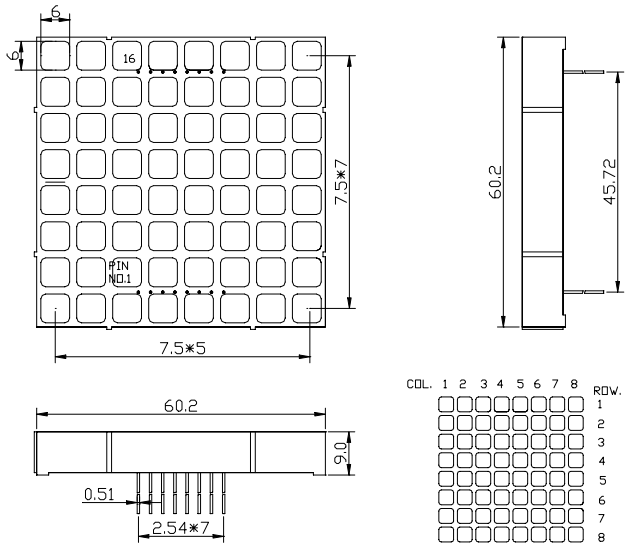
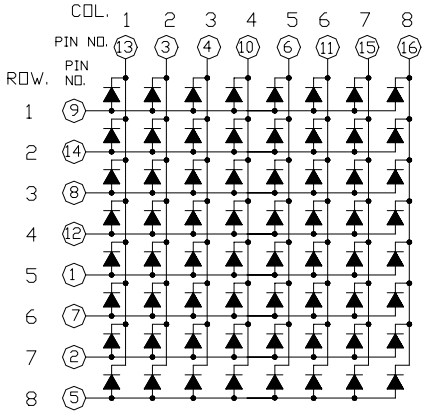
Package Dimensions & Internal Circuit Diagram.



RL-M2388



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Electrical/Optical characteristics at TA=25°C.

Symbol	Parameter	Device	Type.	Max.	Units	Test Conditions
Λ peak	Peak Wavelength	Yellow Green Yellow Orange Red Super Red Bight Red	570 585 630 660 700		nm	IF-20mA
Λ D	Dominate Wavelength	Yellow Green Yellow Orange Red Super Red Bight Red	560 580 610 640 690		nm	IF-20mA
△ Λ 1/2	Spectral Line Halfwit	Yellow Green Yellow Orange Red Super Red Bight Red	30 35 45 20 45		nm	IF-20mA
C	Capacitance	Yellow Green Yellow Orange Red Super Red Bight Red	15 20 15 45 40		pF	VF=0V; f=1MHZ
VF	Forward Voltage	Yellow Green Yellow Orange Red Super Red Bight Red	2.1 2.0 2.0 1.7 2.1	2.8 2.8 2.8 2.8 2.8	V	IF-20mA
lR	Reverse Current	All		10	uA	VR=5V

Absolute Maximum Ratings at TA=25°C.

Parameter	Yellow Green	Yellow	Orange Red	Super Red	Bright Red	Units
Power dissipation	100	85	100	110	45	mW
DC Forward Current	25	25	25	25	25	mA
Peak Forward Current	160	160	160	200	50	mA
Reverse Voltage	5	5	5	5	5	V

NOTES:

1.Operating temperature: 40°C. TO 80°C.

2.Lead soldering: 260°C for 5 seconds.