



EXCEED PERSEVERANCE ELECTRONIC INDUSTRY CO., LTD.

深圳市超毅光电子有限公司

2.3"8x8 Dot Matrix Display.

Part Number:

RL-M2388SGBW

RL- M2388OGAW

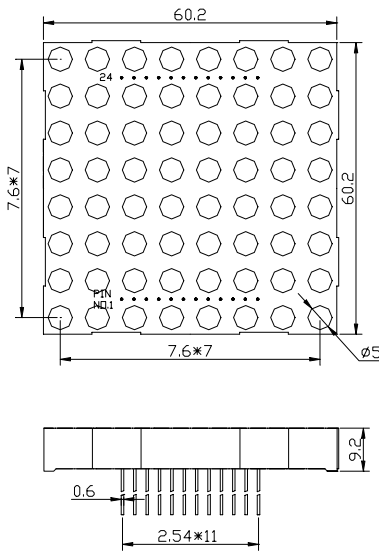
Features

- 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.

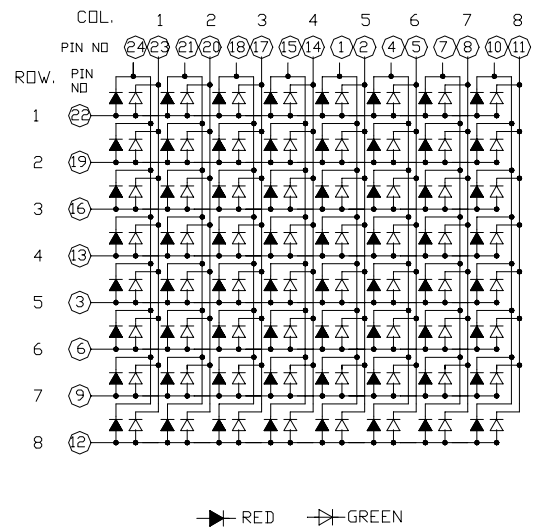
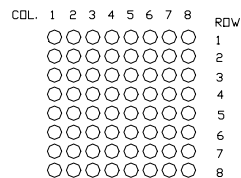
Notes:

- 1.All dimensions are in millimeters (inches)
- 2.Tolerance is $\pm 0.25(0.01'')$ unless otherwise niter
- 3.Lead spacing is measured where the lead emerge package
- 4.Specifcations 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	Δp (nm)	Typ.	Max	At IF=mA		
RL-M2388SGBW	GaAlAs	Super Red	660	6190	9280	20	Black	C.A.
	GaP	Yellow Green	570	4500	6750	20	Black	
RL-M2388OGAW	GaAsP/GaP	Orange Red	630	2740	4110	20	Gray	C.C.
	GaP	Yellow Green	570	4500	6750	20	Red	

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Electrical/Optical characteristics at TA=25°C.

Symbol	Parameter	Device	Type.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Super Red Yellow Green Orange Red Yellow Green	660 570 630 570		nm	IF-20mA
λ_D	Dominate Wavelength	Super Red Yellow Green Orange Red Yellow Green	640 560 610 560		nm	IF-20mA
$\Delta \lambda_{1/2}$	Spectral Line Halfwit	Super Red Yellow Green Orange Red Yellow Green	20 30 35 30		nm	IF-20mA
C	Capacitance	Super Red Yellow Green Orange Red Yellow Green	45 15 15 15		pF	VF=0V; f=1MHZ
VF	Forward Voltage	Super Red Yellow Green Orange Red Yellow Green	1.7 2.1 2.0 2.1	2.8 2.8 2.8 2.8	V	IF-20mA
IR	Reverse Current	All		10	uA	VR=5V

Absolute Maximum Ratings at TA=25°C.

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

NOTES:

1. Operating temperature: 40°C. TO 80°C.
2. Lead soldering: 260°C for 5 seconds.