



YETDA INDUSTRY LTD.

1.1" 3mm 5*7 RED DOT MATRIX DISPLAY

M-10571ASK21

DESCRIPTION

- * 1.1" (27.60mm) Inch Matrix Height.
- * High Bright Red Dot Matrix.
- * Grey Face and White Dot Color.
- * Row Common Cathode.

ABSOLUT MAXIMUM RATINGS AT Ta=25°C

Parameter		UNIT
Power Dissipation Per Dot	40	mW
Peak Forward Current Per Dot	120	mA
Forward current Per Dot (Static)	30	mA
Reverse Voltage Per Dot	5	V
Operation Temperature Range	-25°C TO +80°C	°C
Storage Temperature Range	-25°C TO +100°C	°C
Lead Soldering Temperature	260°C for 3 seconds 1.6mm(1/16 inch) from body	

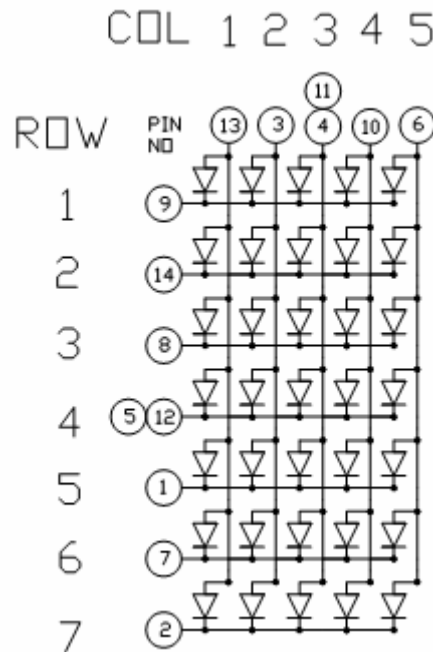
ELECTRICAL/OPTOTICAL CHARACTERISTIC AT Ta=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	CONDITION
Average Luminous Intensity	Iv	4	12		mcd	If=20mA
Peak Emission Wavelength	λd		660		nm	If=20mA
Forward Voltage Per Dot	Vf		1.8	2.2	V	If=20mA
Reverse Current Per Dot	Ir			10	uA	Vr=5V
Luminous Intensity Matching Ratio	Iv-m		2 : 1			If=20mA

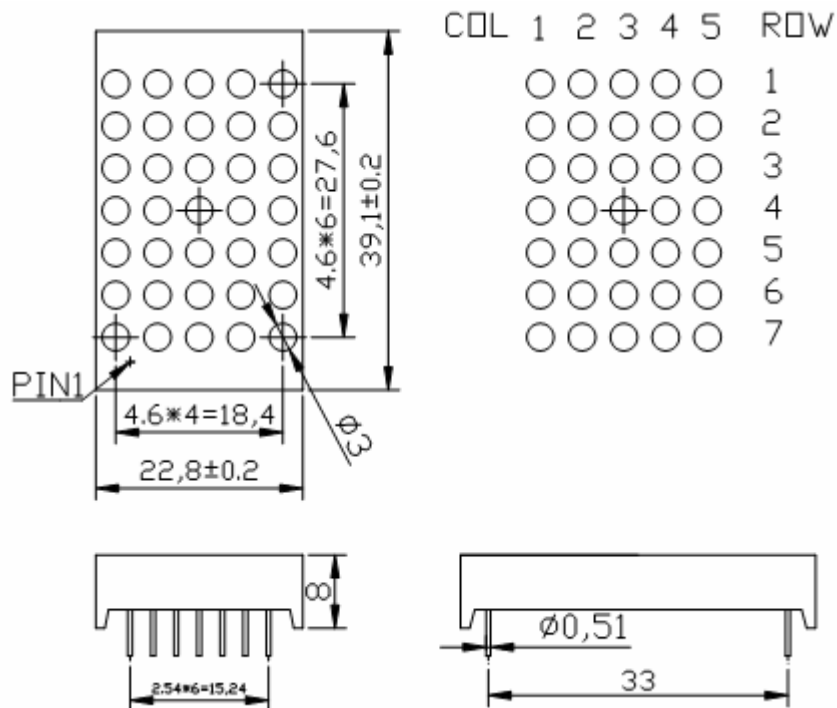


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P.C.B. Pin Connection



Reflector Dimensions

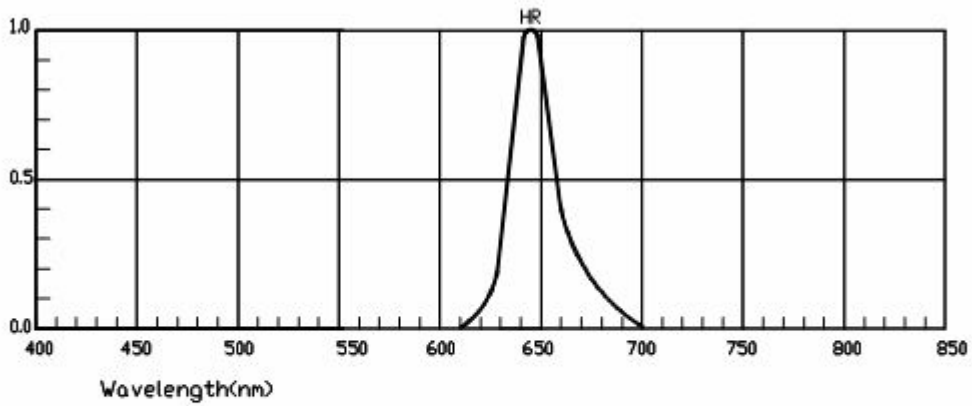


Unit:mm



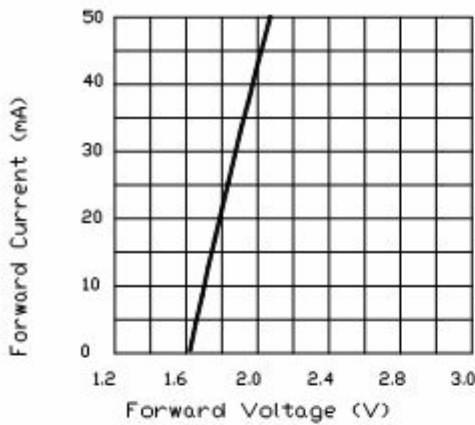
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■ Typical Electro-Optical Characteristic Curves: SPECTRAL DISTRIBUTION

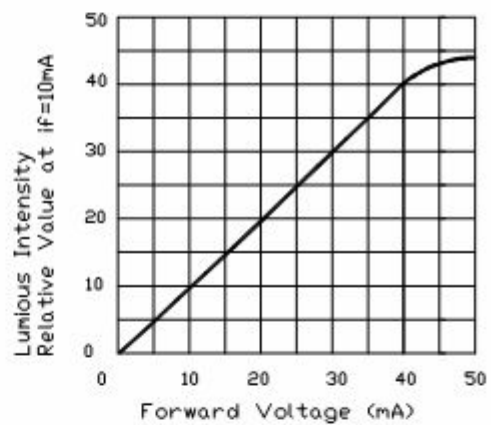


HI-RED(GaAlAs/GaAs)

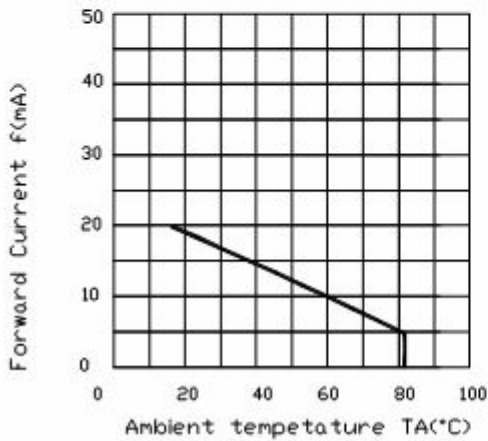
FORWARD CURRENT VS FORWARD VOLTAGE



LUMINOUS INTENSITY VS FORWARD CURRENT



FORWARD CURRENT DERATING CURVE



LUMINOUS INTENSITY VS AMBIENT TEMPERATURE

