



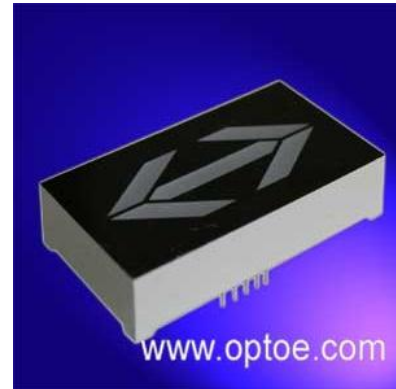
54mm 5 Segment Arrow Digit Display (JYT054SR/B/G)

◆ Features:

- High efficiency, low power consumption.
- Extremely low current.
- Luminous evenly distributed on each segment.
- Low development cost.

◆ Descriptions:

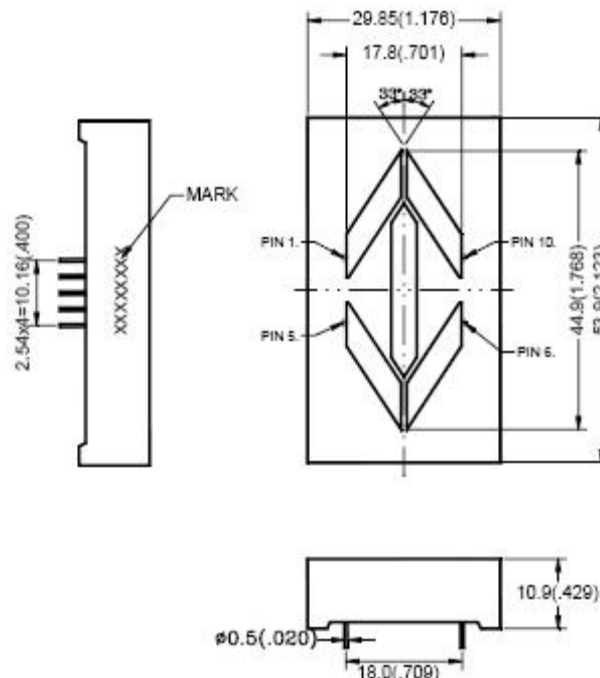
- Industrial standard size.
- These display provide excellent reliability in bright ambient light.
- These devices are made with white segments and black or grey surface.

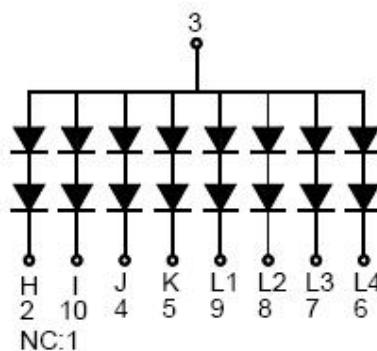
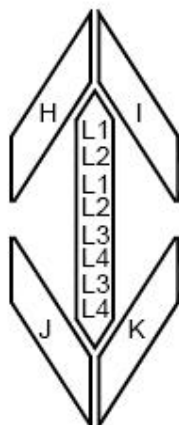


◆ Applications:

- Audio equipment or instrument panels.
- General use for digital indicators.
- Multimedia product.

◆ Package Dimensions:





-10 BLACK SURFACE -20 GREY SURFACE

Note: 1、 All dimensions are in millimetres (mm)
 2、 Tolerance is $\pm 0.25\text{mm}$ unless otherwise noted

◆ Absolute Maximum Rating (Ta=25°C)

Parameter	Symbol	Super Red	Super Blue	Super Green	Unit
Dissipation/Segment	P_d	160	160	120	mW
Forward Current /Segment Duty 1/10@ 1KHz)	I_{FP}	90	90	95	mA
Continuous Forward Current /Segment	I_F	40	40	40	mA
Reverse Voltage /Segment	V_R	5	5	5	V
Operating Temperature Range	Topr	-30~ +80			°C
Storage Temperature Range	Tstg	-30 ~ +85			°C
Solder Temperature	Tsol	260 ± 5			°C

Notes: 1、 This is the limit current . It is not allowed to use when the product work continuously.
 2、 It is recommended that the product is driven by TTL,CMOS.
 3、 Soldering time ≤ 5 seconds.



◆ Electrical Optical Characteristics (Ta=25°C)

Parameter	Symbol	Super Red		Super Blue		Super Green		Unit	Test Condition
		Typ.	Max.	Typ.	Max.	Max.	Max.		
Luminous Intensity /Segment	I_V	40	--	30		30		mcd	$I_F=10mA$
Forward Voltage /Segment	V_F	3.6	5.0	6.4	7.6	4.4	5.0	V	$I_F=20mA$
Reverse Current /Segment	I_R	--	50		50		50	uA	$V_R=5V$
Dominant Wavelength	λ_d	640		465		570		nm	$I_F=20mA$

◆ Typical Electro-Optical Characteristics Curves



Fig 1 SPECTRAL RESPONSE

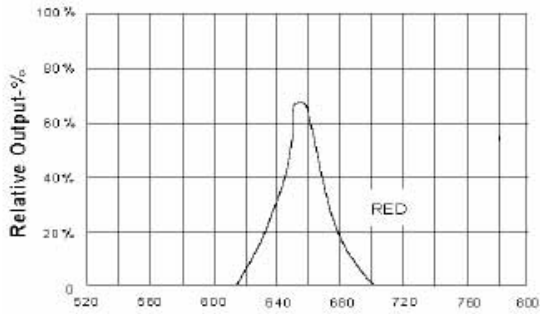


Fig 2 FORWARD CURRENT VS FORWARD VOLTAGE

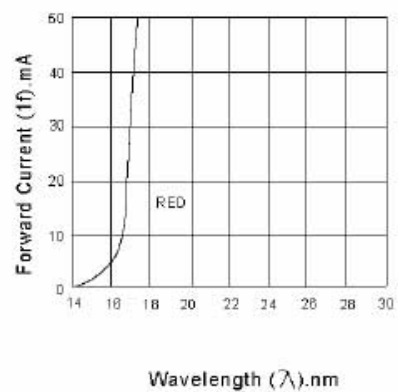


Fig 3 RELATIVE LUMINOUS INTENSITY VS FORWARD CURRENT

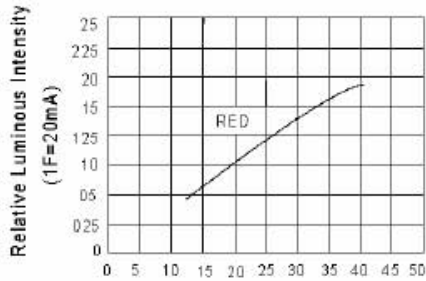
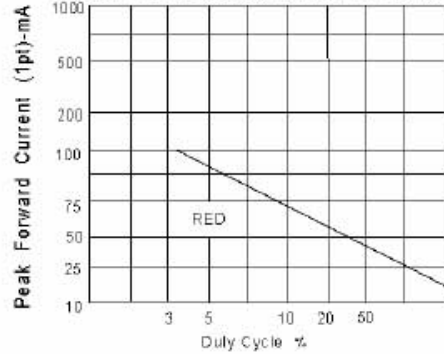
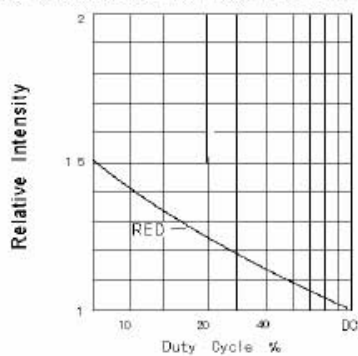


Fig 4 MAX PEAK CURRENT VS DUTY CYCLE (REFRESH RATE: 1KHZ)



Forward Voltage (VF)-Volt

Fig 5 LUMINOUS INTENSITY VS DUTY CYCLE



Forward Current (If)-mA

Fig 6 MAXIMUM ALLOWABLE DC CURRENT PER SEGMENT DOT VS A FUNCTION AMBIENT TEMPERATURE

