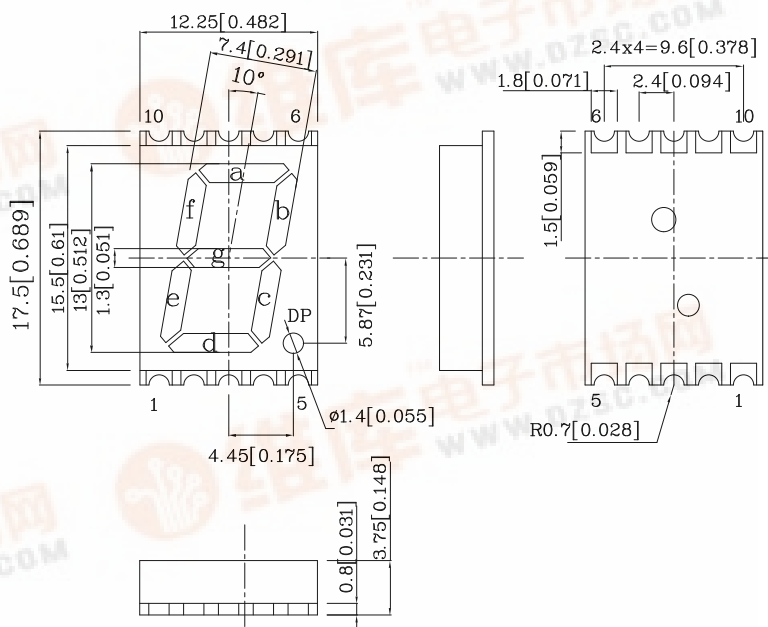
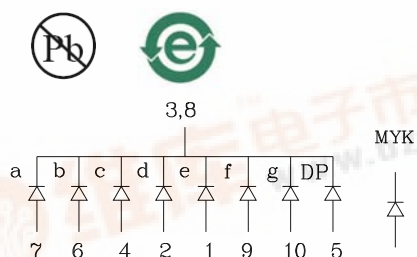


PRELIMINARY SPEC

Features

- 0.51 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- I.C. COMPATIBLE.
- MECHANICALLY RUGGED.
- GRAY FACE, WHITE SEGMENT.
- PACKAGE: 400PCS / REEL.
- MOISTURE SENSITIVITY LEVEL : LEVEL 4.
- RoHS COMPLIANT.



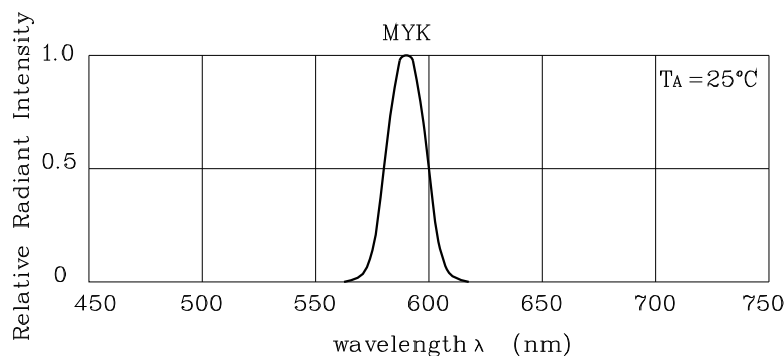
Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.
3. The gap between the reflector and PCB shall not exceed 0.25mm.
4. Specifications are subject to change without notice.

Absolute Maximum Ratings (TA=25°C)		MYK (InGaAlP)	Unit
Reverse Voltage	V _R	5	V
Forward Current	I _F	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	i _{FS}	175	mA
Power Dissipation	P _T	75	mW
Operating Temperature	T _A	-40 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +85	

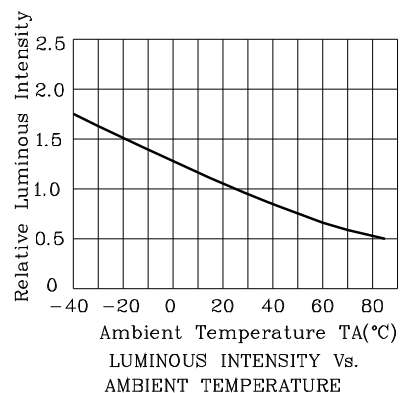
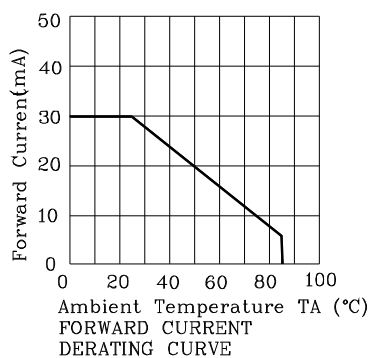
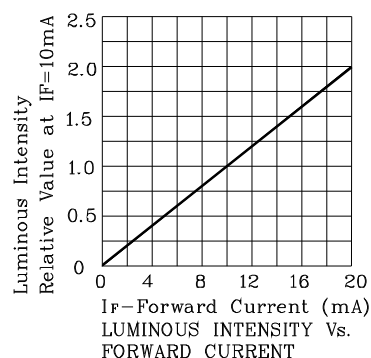
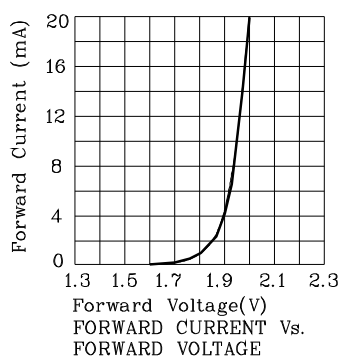
Operating Characteristics (TA=25°C)		MYK (InGaAlP)	Unit
Forward Voltage (Typ.) (IF=10mA)	VF	1.95	V
Forward Voltage (Max.) (IF=10mA)	VF	2.5	V
Reverse Current (Max.) (VR=5V)	IR	10	uA
Wavelength Of Peak Emission (Typ.) (IF=10mA)	λ P	590	nm
Wavelength Of Dominant Emission (Typ.) (IF=10mA)	λ D	590	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=10mA)	$\Delta\lambda$	20	nm
Capacitance (Typ.) (VF=0V, f=1MHz)	C	20	pF

Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) ucd		Wavelength nm λ P	Description
			min.	typ.		
PMYK129C	Yellow	InGaAlP	4700	48990	590	Common Cathode, Rt. Hand Decimal



RELATIVE INTENSITY Vs. WAVELENGTH

❖ **MYK**



Remarks:

If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: $\pm 1\text{nm}$
2. Luminous intensity / luminous flux: $\pm 15\%$
3. Forward Voltage: $\pm 0.1\text{V}$

Note: Accuracy may depend on the sorting parameters.

Figure 1 is a line graph showing the temperature profile of the test specimen over time. The Y-axis represents Temperature in degrees Celsius (°C), ranging from 0 to 300. The X-axis represents Time in seconds (sec), ranging from 0 to 300. The profile starts at 25°C at 0 seconds, rises at a rate of 4°C/s to 150°C at 40 seconds, then continues to rise at 4°C/s to 180°C at 120 seconds. From 180°C, it rises at 4°C/s to 260°C at 190 seconds, where it holds for 10 seconds. Finally, it cools at 4°C/s to 100°C at 250 seconds. Key temperature ranges and rates are indicated: 150~180°C at 4°C/s max, 230°C at 4°C/s max, and 260°C max. Time intervals are marked: 60~120s for the heating phase and 30~50s for the cooling phase.

- 1.Maximum soldering temperature should not exceed 260°C.
- 2.Recommended reflow temperature: 145°C–260°C.
- 3.Do not put stress to the epoxy resin during high temperatures conditions.

Technical drawing of a tape with two rectangular components. The drawing includes a top view and a side view.

Top View Dimensions:

- Overall width: 20 ± 0.1
- Overall height: 32 ± 0.3
- Component width: 1.75 ± 0.1
- Component height: 14.2 ± 0.1
- Distance between components: 2 ± 0.1
- Distance from component to edge: 4 ± 0.1
- Distance from component to edge (bottom): 1.55 ± 0.05

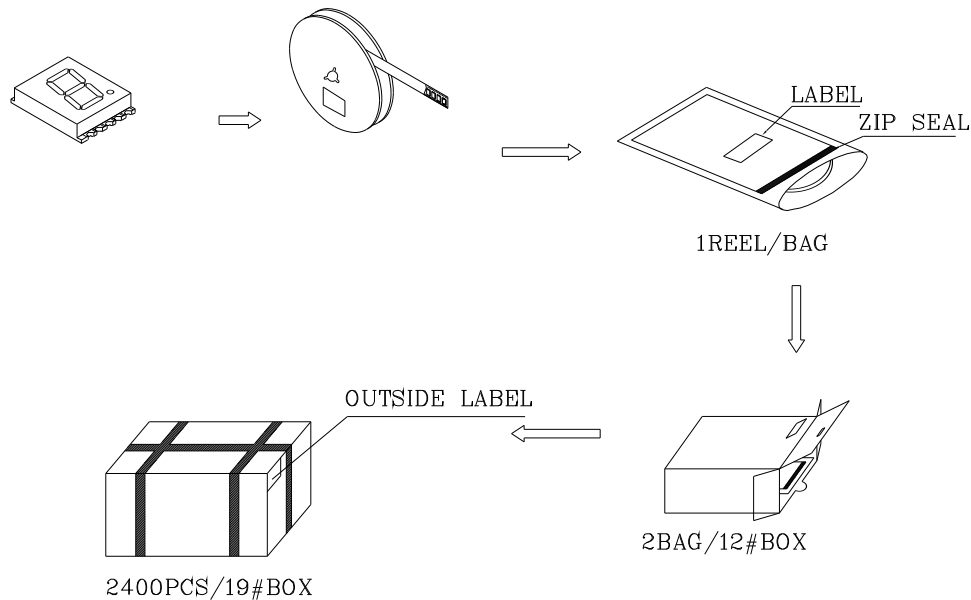
Side View Dimensions:

- Thickness: 0.35 ± 0.1
- Width: 4 ± 0.1

The drawing is labeled "TAPE" with an arrow pointing to the right.

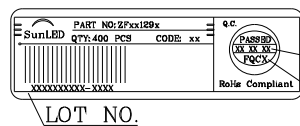
PACKING & LABEL SPECIFICATIONS

ZFMYK129C

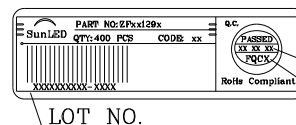


Outside LABEL Paste On The BAG

Inside LABEL Paste On The TAPE



Date
Number OF FQC



Date
Number OF FQC

Outside LABEL Paste On The 19#Box

Outside LABEL Paste On The 12#Box

