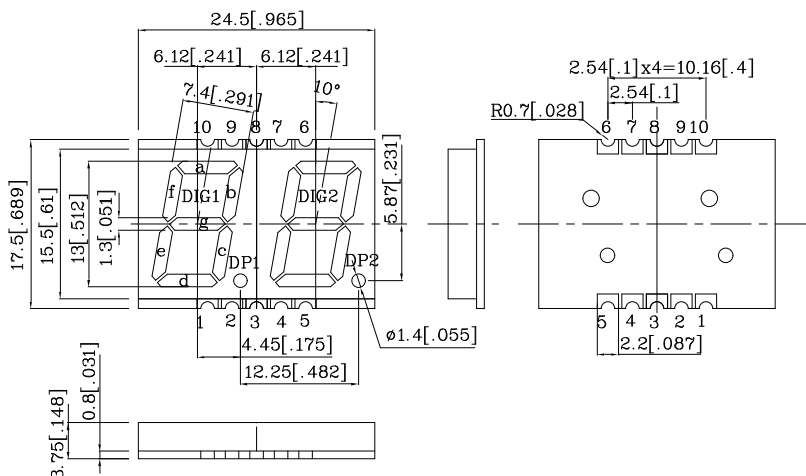
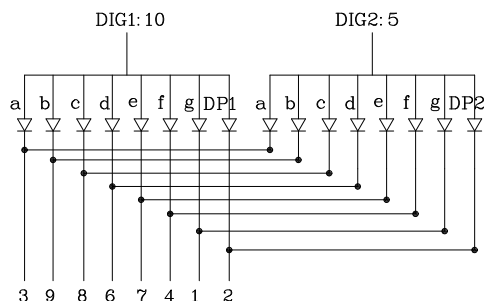


Features

- 0.51 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- I.C. COMPATIBLE.
- MECHANICALLY RUGGED.
- GRAY FACE,WHITE SEGMENT.
- PACKAGE : 200PCS / REEL.
- MOISTURE SENSITIVITY LEVEL : LEVEL 4.
- RoHS COMPLIANT.

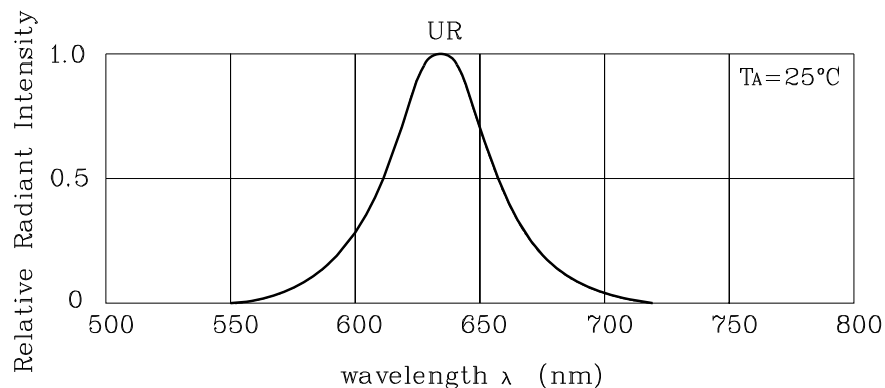


1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.
3. The gap between the reflector and PCB shall not exceed 0.25mm.
- 4.Specifications are subject to change without notice.

Absolute Maximum Ratings (TA=25°C)		UR (GaAsP/GaP)	Unit
Reverse Voltage	VR	5	V
Forward Current	IF	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	160	mA
Power Dissipation	PT	75	mW
Operating Temperature	TA	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	

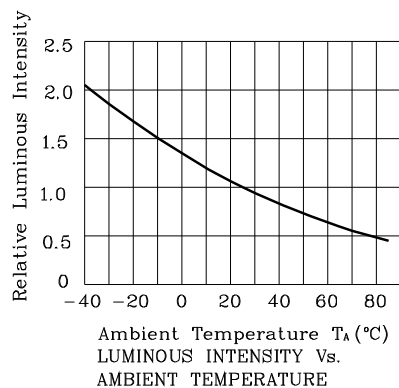
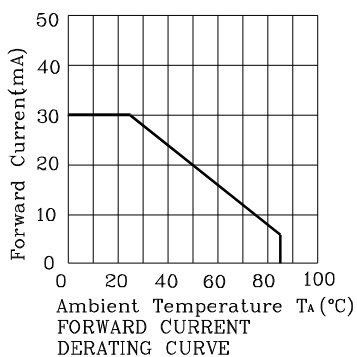
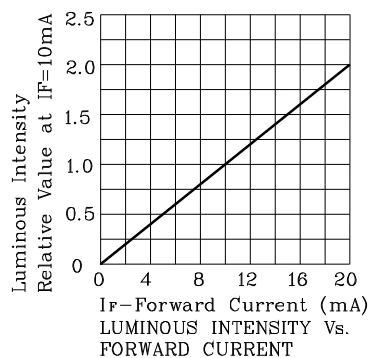
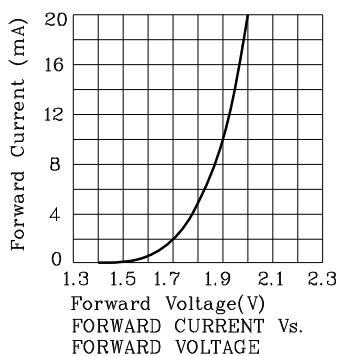
Operating Characteristics (T _A =25°C)		UR (GaAsP/GaP)	Unit
Forward Voltage (Typ.) (I _F =10mA)	V _F	1.9	V
Forward Voltage (Max.) (I _F =10mA)	V _F	2.5	V
Reverse Current (Max.) (V _R =5V)	I _R	10	uA
Wavelength of Peak Emission (Typ.) (I _F =10mA)	λ P	627	nm
Wavelength of Dominant Emission (Typ.) (I _F =10mA)	λ D	625	nm
Spectral Line Full Width At Half-Maximum (Typ.) (I _F =10mA)	Δλ	45	nm
Capacitance (Typ.) (V _F =0V, f=1MHz)	C	15	pF

Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) mcd		Wavelength nm λ P	Description
			min.	typ.		
ZFUR129A2	Red	GaAsP/GaP	1200	4290	627	Common Anode. Rt. Hand Decimal
Published Date : FEB 28, 2008		Drawing No : SDSA6471			V1	Checked : Shin Chi P.1/4



RELATIVE INTENSITY Vs. WAVELENGTH

❖ UR



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 graph showing the temperature profile of a specimen during a thermal cycle. The Y-axis represents Temperature (°C) from 0 to 300, and the X-axis represents Time (sec) from 0 to 300. The profile starts at 25°C, rises at 4°C/s to 150°C (60~120s), then rises at 4°C/s max to 260°C max (10s max), holds at 260°C max, then cools at 4°C/s max to 230°C, and finally cools at 4°C/s to 100°C. Dashed lines indicate temperature ranges and time intervals.

- 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.

A diagram of a rectangular prism. The top horizontal edge is labeled 10.16. The front horizontal edge is labeled 2.54. The left vertical edge is labeled 17.5. The bottom horizontal edge is labeled 3.4. The right vertical edge is labeled 2.2. The prism is shown in a perspective view with dashed lines for hidden edges.

Technical drawing of a tape with two diamond-shaped components. The drawing includes a top view and a side view.

Top View Dimensions:

- Total width: 32 ± 0.3
- Central width: 32 ± 0.1
- Height: 14.2 ± 0.1
- Distance from top edge to central area: 1.75 ± 0.1
- Distance from central area to top edge: 4 ± 0.1
- Distance from central area to right edge: 2 ± 0.1
- Distance from central area to right edge: $\phi 1.55 \pm 0.05$

Side View Dimensions:

- Thickness: 0.3 ± 0.1
- Total height: 4 ± 0.1

A label "TAPE" with an arrow points to the right.

PACKING & LABEL SPECIFICATIONS

ZFUR129A2

