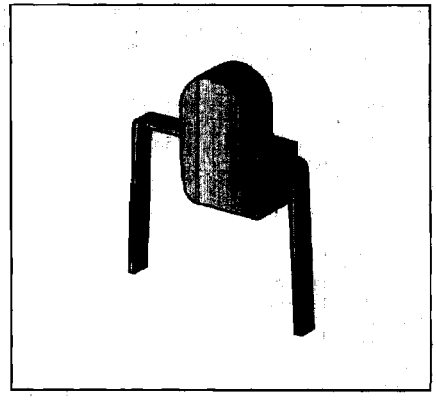
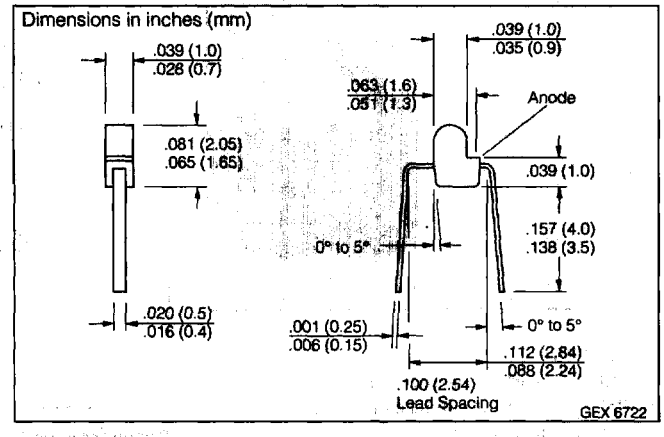
SIEMENS

SUPER-RED LS U260-EO
YELLOW LY U260-EO
GREEN LG U260-EO
1 mm Mini LED Lamp





FEATURES

- **Colored, diffused lens**
  LS: red
  LY: yellow
  LG: colorless
- **For use as optical indicator**
- **Miniature package**
- **Load dump resistant per DIN 40839**

DESCRIPTION

The LS U260 super-red and LY U260 yellow are high efficiency lamps fabricated with TSN (transparent substrate nitrogen) technology. The LG U260 is a gallium phosphide (GaP) lamp.

Maximum Ratings

Operating/Storage Temperature Range (T_{OP}, T_{STG}) .....–40°C to +80°C
Junction Temperature (T_J).....80°C
Forward Current (I_F).....15 mA
Surge Current (I_{FS}) t=10 µs, D=0.005 .....0.35 A
Reverse Voltage (V_R).....5 V
Total Power Dissipation (P_{TOT}) $T_A \leq 25°C$ .....50 mW
Thermal Resistance, Junction/Air (R_{THJA})..... 1100 K/W

Characteristics T_A=25°C, all values typical unless otherwise noted

Parameter	Symbol	Super-Red	Yellow	Green	Unit	Condition
Peak Wavelength	λ_{PEAK}	635	586	565	nm	I_F=20 mA
Dominant Wavelength	λ_{DOM}	628	590	570		
Spectral Bandwidth, 50% I_{RELMAX}	$\Delta\lambda$	45		25		
Viewing Angle, 50% I_V	2φ	60			Deg.	
Forward Voltage	V_F	2.0 (≤2.6)			V	I_F=10 mA
Reverse Current	I_R	0.01 (≤10)			µA	V_R=5 V
Capacitance	C_0	12	10	15	pF	V_R=0 V f=1 MHz
Switching Times, I_V 10% to 90%	t_R	300		450	ns	I_F=10 mA t_P=10 µs R_L=50 Ω
90% to 10%	t_F	150		200		
Luminous Intensity*	I_V	≥0.63			mcd	I_F=10 mA

* Luminous flux ratio of one packaging unit $I_{VMAX}/I_{VMIN} \leq 2$

See graph numbers OHL01210, OHL01682, OHL01263, OHL01632, OHL01753, OHL02196, OHL01672, OHL01673, OHL01674, OHL01675 beginning on page 4–91.