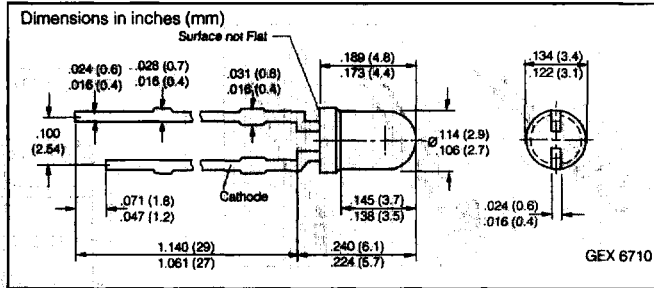
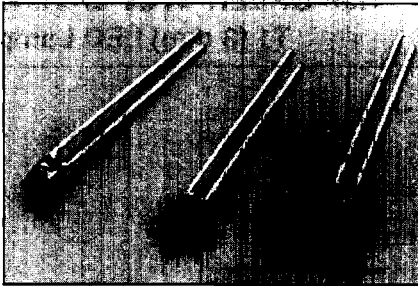


SIEMENS

SUPER-RED LS 3336
AMBER LA 3336
ORANGE LO 3336
YELLOW LY 3336
Hyper-Bright T1 (3 mm) LED Lamp



FEATURES

- Colorless, clear lens
- Optical coupling into light pipes
- Use as optical indicator
- Solder leads with stand-off
- Available taped on reel
- Load dump resistant per DIN 40839

Maximum Ratings

Operating/Storage Temperature	
Range (T _{OP} , T _{STG})	-55°C to +100°C
Junction Temperature (T _J)	100°C
Forward Current (I _F)	
LS, LO, LA	30 mA
LY	20 mA
Surge Current (I _{FS}) t ≤ 10 μs, D=0.005	TBD
Reverse Voltage (V _R) ⁽¹⁾	3 V
Power Dissipation (P _{TOT}) T _A ≤ 25°C	
LS, LO, LA	80 mW
LY	55 mW
Thermal Resistance,	
Junction/Air (R _{THJA})	500 K/W

1. Reverse biasing should be avoided.

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

Parameter	Sym.	LS	LA	LO	LY	Unit	Condition	
Peak Wavelength	λ _{PEAK}	645	622	610	591	nm	I _F =20 mA	
Dominant Wavelength	λ _{DOM}	632	615	605	587			
Spectral Bandwidth 50% I _{RELMAX}	Δλ	16		15				
Viewing Angle 50%, I _V	2φ	50				Deg.		
Forward Voltage	V _F	2 (≤ 2.6)				V	I _F =20 mA	
Reverse Current	I _R	0.01 (≤ 10)				μA	V _R =3 V	
Temperature Coefficient	λ _{DOM}	TC _λ	0.014	0.062	0.067	0.096	nm/K	I _F =20 mA
	λ _{PEAK}		0.14	0.13				
	V _F	TC _V	-1.95	-1.78	-1.67	-2.51	mV/K	

Luminous Intensity*, I_v, mcd

Part Number	Min.	Max.	Part Number	Min.	Max.	Condition
LS 3336-QT	63	500	LA/LO/LY 3336-RU	100	800	I _F =20 mA
LS 3336-R	100	200	LA/LO/LY 3336-S	160	320	
LS 3336-S	160	320	LA/LO/LY 3336-T	250	500	
LS 3336-T	250	500	LA/LO/LY 3336-U	400	800	
LS 3336-RU	100	800	LA/LO/LY 3336-SV	160	1250	

* Luminous intensity ratio of one packaging unit I_{VMAX}/I_{VMIN} ≤ 2.

See graph numbers OHL00235, OHL01646, OHL00232, OHL00248, OHL00233, OHL00236, OHL00322, OHL00316 beginning on page 4-92.