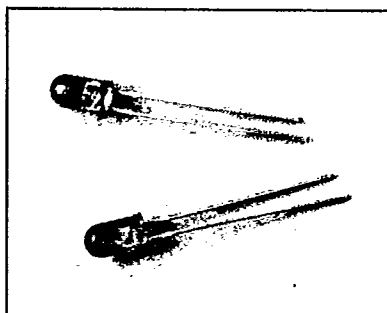


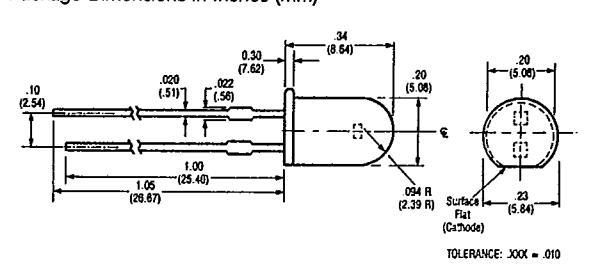
T-41-21

SIEMENS

HIGH EFFICIENCY RED LS5421-MO/-PO/-QO
YELLOW LY5421-MO/-PO/-QO
GREEN LG5411-LO/-NO/-PO
SUPERBRIGHT T1¾ LED LAMPS



Package Dimensions in Inches (mm)



LED Lamps

FEATURES

- High Light Output
- New Lens to Optimize Output
- 20° Viewing Angle
- HER Lamp, Orange Tinted Lens
Yellow Lamp, Yellow Tinted Lens
Green Lamp, Water Clear Lens
- 1" Lead Length

DESCRIPTION

The 5421/5411 series are superbright T1¾ LED lamps. Improvements in materials and optimization of lens and reflectors have resulted in a dramatic increase in luminous intensity.

Maximum Ratings

Power Dissipation ($T_{amb} = 25^{\circ}\text{C}$)	150 mW
Storage and Operating Temperature	-55 to +100°C
Continuous Forward Current	45 mA
Reverse Voltage	5 V
Surge Current ($t \leq 10 \mu\text{s}$)	1 A

Electrical/Optical Characteristics ($T_{amb} = 25^{\circ}\text{C}$)

	Min	Typ	Max	Unit	Test Condition
Luminous Intensity					
HER, Yellow (-MO)	16	40		mcd	$I_F = 10 \text{ mA}$
HER, Yellow, Green (-PO)	40	60		mcd	$I_F = 10 \text{ mA}$
HER, Yellow (-QO)	63	100		mcd	$I_F = 10 \text{ mA}$
Green (-LO)	10	40		mcd	$I_F = 10 \text{ mA}$
Green (-NO)	25	40		mcd	$I_F = 10 \text{ mA}$
Peak Wavelength					
HER		635		nm	$I_F = 10 \text{ mA}$
Yellow		590		nm	$I_F = 10 \text{ mA}$
Green		560		nm	$I_F = 10 \text{ mA}$
Half Angle		20		Deg.	
Forward Voltage	2.2		3.0	V	$I_F = 10 \text{ mA}$
Reverse Current I_R	0.1		100	μA	$I_R = 5 \text{ V}$

See graph numbers 1B, 2N, 3I, 4F, 5C, 6E, 7E, 8A, 9A, 10B on pages 4-27 - 4-34.