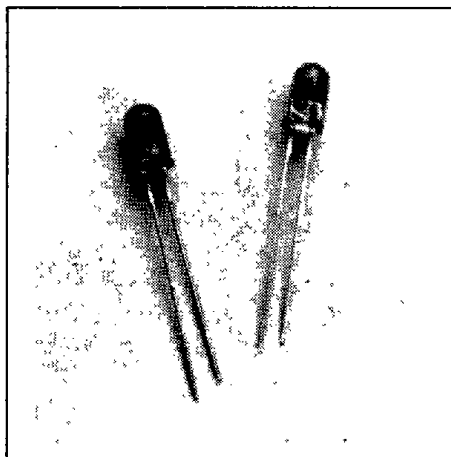
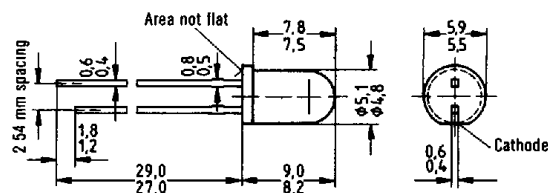


SIEMENS**SUPER-RED LS 5421****YELLOW LY 5421****GREEN LG 5411****SUPERBRIGHT T1³/₄ (5 mm) LED LAMP**

T-41-21



Package Dimensions mm



Approx weight 0.35 g

FEATURES

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

DESCRIPTION

The 5421/5411 series are superbright T1³/₄ (5mm) LED lamps. Improvements in materials and optimization of lens and reflectors have resulted in a dramatic increase in luminous intensity.

Maximum Ratings

Reverse Voltage (V_R)	5 V
Continuous Forward Current (I_F)	45 mA
Surge Current ($t = 10 \mu s$) (I_{FS})	1 A
Operating Temperature Range (T_A)	-55°C to +100°C
Storage Temperature Range (T_{STG})	-55°C to +100°C
Power Dissipation (P_{TOT}) $T_A = 25^\circ C$	150 mW

Characteristics ($T_A = 25^\circ C$)

Parameter	Symbol	LS 5421 Super-Red	LY 5421 Yellow	LG 5411 Green	Unit
Wavelength at Peak					
Emission ($I_F = 10 \text{ mA}$)	λ_{PEAK}	635	588	565	nm
Viewing Angle	ϕ	20	20	20	Deg.
Forward Voltage ($I_F = 10 \text{ mA}$)	V_F	2.2 (≤ 3.0)	2.2 (≤ 3.0)	2.2 (≤ 3.0)	V
Reverse Current ($I_R = 5 \text{ V}$)	I_R	0.01 (≤ 100)	0.01 (≤ 100)	0.01 (≤ 100)	μA

Luminous Intensity

Part Number	Min.	Typ.	Unit	Test Condition
LS 5421-NR	25	200	mcd	10 mA
LS 5421-Q	63	125	mcd	10 mA
LS 5421-QT	63	500	mcd	10 mA
LS 5421-R	100	200	mcd	10 mA
LY 5421-MQ	16	125	mcd	10 mA
LY 5421-P	40	80	mcd	10 mA
LY 5421-PS	40	320	mcd	10 mA
LY 5421-Q	63	125	mcd	10 mA
LY 5421-R	100	200	mcd	10 mA
LG 5411-MQ	16	125	mcd	10 mA
LG 5411-P	40	80	mcd	10 mA
LG 5411-PS	40	320	mcd	10 mA
LG 5411-Q	63	125	mcd	10 mA

See graph numbers 1, 2C, 3A, 4A, 5A, 6A, 7A, 8, 9, 10, on pages 42 - 48.