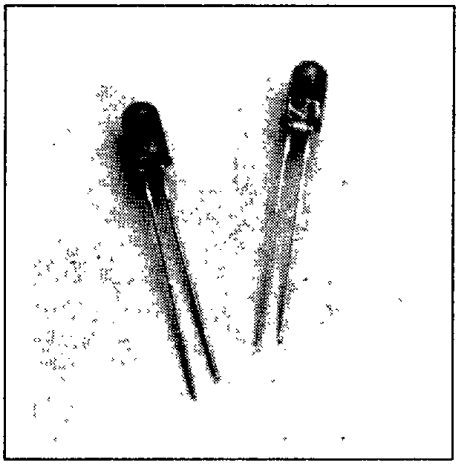
SIEMENS

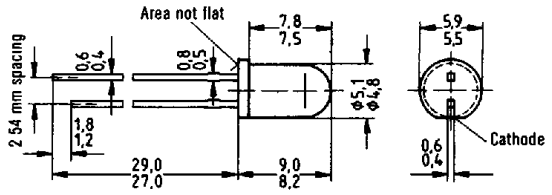
SUPER-RED LS 5421
YELLOW LY 5421
GREEN LG 5411

SUPERBRIGHT T1¾ (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 T1¾ (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 µs) (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°C ..... 150 mW

Characteristics (T_A=25°C)

Parameter	Symbol	LS 5421 Super-Red	LY 5421 Yellow	LG 5411 Green	Unit
Wavelength at Peak Emission (I_F=10 mA)	λ_{PEAK}	635	586	565	nm
Viewing Angle	φ	20	20	20	Deg.
Forward Voltage (I_F=10 mA)	V_F	2.2 (≤3.0)	2 2 (≤3 0)	2.2 (≤3 0)	V
Reverse Current (I_R=5 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.