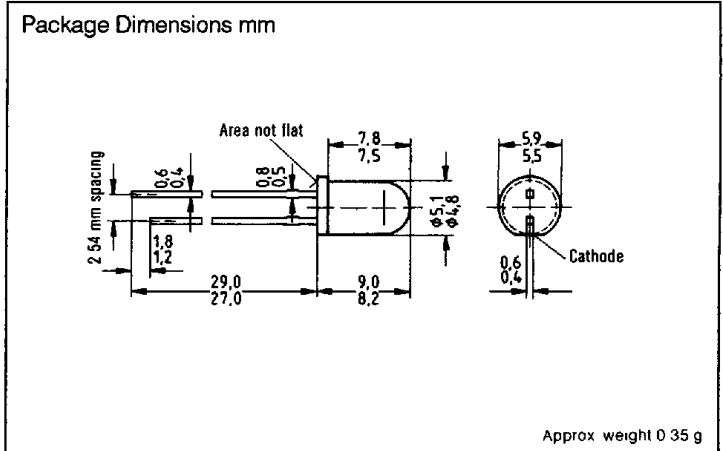
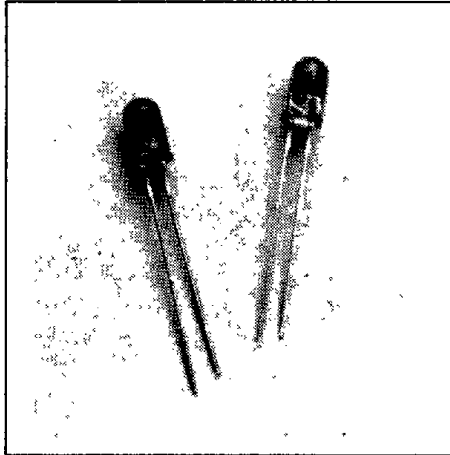


SIEMENS

SUPER-RED LS 5421
YELLOW LY 5421
GREEN LG 5411

SUPERBRIGHT T1³/₄ (5 mm) LED LAMP

T-41-21



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 μs) (I _{sm}) 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	588	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.