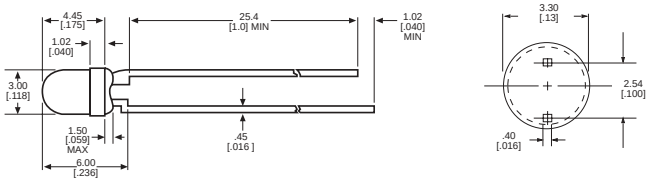
3mm Discrete LED
High Efficiency
Diffused 521-9210, -9211, -9216, -9498, -9636

Dialight



short lead cathode all colors except 521-9636 Red.
For 521-9636 Red, short lead is anode.

Dimensions in mm [inches]

PART NO.	COLOR
521-9210	Green
521-9211	Yellow
521-9216	Red
521-9498	Orange
521-9636	Red

NEW

MOUNTING CLIP: 515-0006
located on page 4-65

ABSOLUTE MAXIMUM RATINGS (T_A=25°C)	Green **-9210**	Yellow **-9211**	Red **-9216**	Orange **-9498**	Red **-9636**
Power Dissipation (mW)	100	60	100	135	100
Forward Current (mA)	30	20	30	25	40
Derating (mA/°C) *From 50°C* [1] from 25°C	.4	.25	.4	.5	.5[1]
Operating Temperature (°C)	-55/+100	-55/+100	-55/+100	-55/+100	-55/+100
Storage Temperature (°C)	-55/+100	-55/+100	-55/+100	-55/+100	-55/+100
Soldering Temperature	260°C, 5 seconds, 1.6 mm from body				

Solder Adherence per MIL-STD-202E, Method 208C

OPERATING CHARACTERISTICS (T_A=25°C)		Green **-9210**	Yellow **-9211**	Red **-9216**	Orange **-9498**	Red **-9636**
Luminous Intensity (mcd)	Min.	4.7	7.4	7.4	3.4	8.7[1]
I_F=10mA [1] I_F=20mA	Typical	12.6	10	10	7	48[1]
Peak Wavelength (nm) λ Peak	Typical	565	585	635	600	660
Viewing Angle (2Θ ½)	Typical	60°	60°	60°	60°	60°
Forward Voltage (V)	Typical	2.1[1]	2.1[1]	2[1]	2.2	1.8[1]
I_F=10mA [1] I_F=20mA	Max.	2.8[1]	2.8[1]	2.8[1]	3	2.4[1]
Reverse Voltage (V), I_R=100µA	Max.	5	5	5	5	4

Θ ½ *is the off axis angle at which the luminous intensity is half the axial luminous intensity*