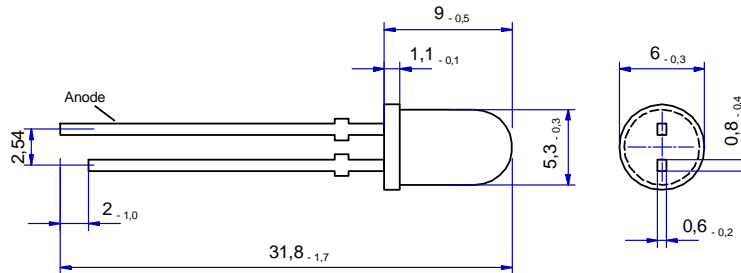


Color	Type	Technology	Case
Red	ELD-640-523-1	AllnGaP/GaAs	5 mm plastic lens



Note: Special packages without standoff are available on request

Maximum Ratings

$T_{amb} = 25^{\circ}\text{C}$, unless otherwise specified

Parameter	Test conditions	Symbol	Value	Unit
Forward current (DC)		I_F	30	mA
Peak forward current	$(t_p \leq 50 \mu\text{s}, t_p/T = 1/2)$	I_{FM}	100	mA
Reverse voltage	$I_R = 10 \mu\text{A}$	V_R	5	V
Operating temperature range		T_{amb}	-20 to +100	$^{\circ}\text{C}$
Storage temperature range		T_{stg}	-55 to +100	$^{\circ}\text{C}$
Mass		m	0.33	g

Optical and Electrical Characteristics

$T_{amb} = 25^{\circ}\text{C}$, unless otherwise specified

Parameter	Test conditions	Symbol	Min	Typ	Max	Unit
Forward voltage	$I_F = 20 \text{ mA}$	V_F		2.05	2.6	V
Luminous intensity	$I_F = 20 \text{ mA}$	I_v		1100		mcd
Luminous flux	$I_F = 20 \text{ mA}$	Φ_v		260		mlm
Radiant power	$I_F = 20 \text{ mA}$	\dot{O}_e		2.0		mW
Peak wavelength	$I_F = 20 \text{ mA}$	λ_p		644		nm
Dominant wavelength	$I_F = 20 \text{ mA}$	λ_d	626	630	639	nm
Spectral bandwidth at 50%	$I_F = 20 \text{ mA}$	$\Delta\lambda_{0.5}$		18		nm
Viewing angle		\ddot{o}		20		deg.