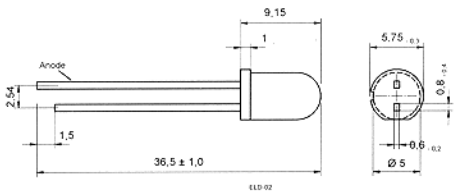
LED lamp ELD-1300-515-1

Preliminary data

Color	Type	Technology	Case
Infrared	ELD-1300-515-1	InGaAs/InP QW	5 mm plastic lens



Maximum Ratings

T_{amb} = 25°C, unless otherwise specified

Parameter	Test conditions	Symbol	Value	Unit
Forward current (DC)		I_F	100	mA
Reverse voltage	I_R = 100 µA	V_R	1	V
Operating temperature range		T_{amb}	-20 to +80	°C
Storage temperature range		T_{stg}	-30 to +100	°C

Optical and Electrical Characteristics

T_{amb} = 25°C, unless otherwise specified

Parameter	Test conditions	Symbol	Min	Typ	Max	Unit
Forward voltage	I_F = 50 mA	V_F		1.0		V
Radiant power	I_F = 50 mA	Φ_e		2.3		mW
Radiant power	I_F = 100 mA	Φ_e		4.0		mW
Peak wavelength	I_F = 50 mA	λ_p		1280		nm
Spectral bandwidth at 50%	I_F = 50 mA	$\Delta\lambda_{0.5}$		400		nm
Viewing angle		φ		14		deg.