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383-2UYC/S400 TECHNICAL DATA

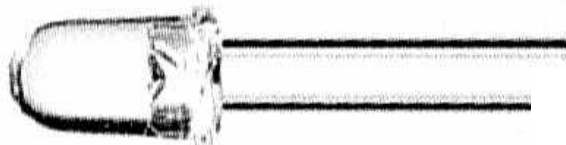
YELLOW AlGaInP LED

Technology: **AlGaInP** structure

Peak Wavelength: **590 nm typ.**

Luminous Intensity: **2.5 cd typ.**

Package: **5 mm clear plastic**



Absolute Maximum Ratings (Tc=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	V _R	5	V
Reverse Current	I _R	10	μA
Soldering Temperature	T _S	260	°C for 5 s
Operating Temperature	T _{OP}	-40 .. +85	°C
Storage Temperature	T _{STG}	-40 .. +100	°C

Optical-Electrical Characteristics (Tc = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Luminous Intensity	L _{I (590 nm)}	I _F = 20 mA	1600	2500		mcd
Forward Voltage	V _F	I _F = 20 mA	1.7	2.1	2.8	V
Forward Current	I _F			20	30	mA
Peak Forward Current	I _P	Dutycycle 0.1 @ 1 kHz			160	mA
Power Dissipation	P _D			100		mW
Peak Wavelength	λ _P	I _F = 20 mA		590		nm
Spectrum Half Width	Δλ	I _F = 20 mA		15		nm
Viewing Angle	2θ ½	I _F = 20 mA		10		°