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383-2UYC/S400 TECHNICAL DATA

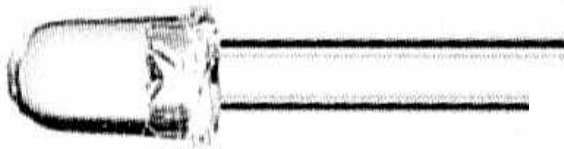
YELLOW AlGaInP LED

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	μ A
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	$\Delta\lambda$	$I_F = 20$ mA		15		nm
Viewing Angle	$2\theta_{1/2}$	$I_F = 20$ mA		10		°