MinLED YELLOW 589nm FQP4341

Features

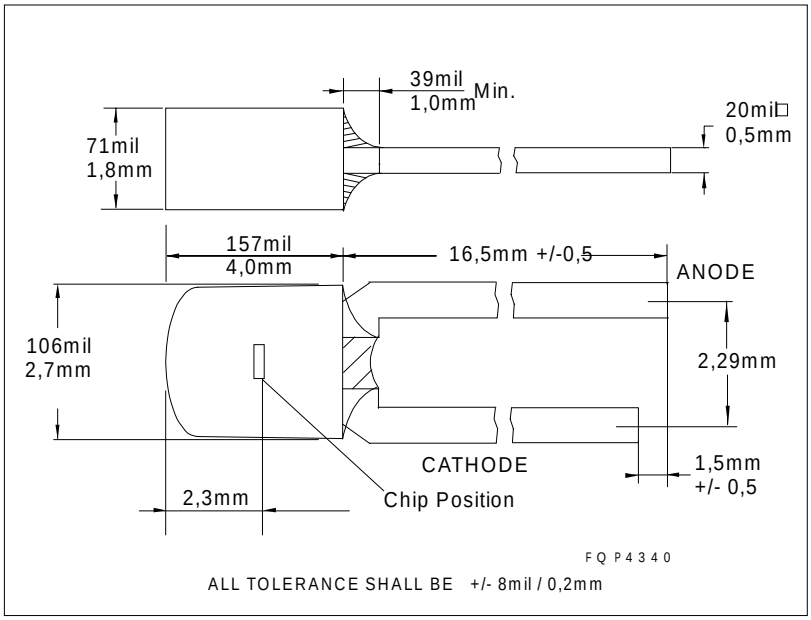
* Standard design LED for special purpose
  Based on InGaAlP

* without reflector, edged light ray on all sides

* Water-clear package style

* high brightness for low-current mode
  at 2mA @65 degree too

* also available in white (FQP4840; 500mcd)
  green (FQP4350; 30mcd)
  blue (FQP4320; 100mcd)
  and low-cost blue (FQP4321; 30mcd)
  red or other color on request



* Application :

Replacing of Mini-LED's in Sensor-Connectors Type M8 (Hirschmann ELST-serie or similar)
Bar-Graph-displays
Illumination

Electrical and optical characteristics and absolute maximum ratings (Ta=25°C unless otherwise noted)

Symbol	Parameter	MIN	Typ	MAX	Unit	Test conditions
I_F	DC Forward current			25	mA	
I_{PEAK}	Peak Forward current			75	mA	Tp< 10µsec. ; T=1:100 ; Rtherm < 100 K/W
V_F	Forward Voltage		2	2,4	V	IF = 20mA
V_R	Reverse Voltage	4			V	Irev = 10µA
λ_{Peak}	Peak Wavelength		589	592	nm	IF = 20mA
$\Delta\lambda_{0,5}$	Bandwidth of half power		22		nm	IF = 20mA
I_v	Luminous intensity	20	45		mcd	IF = 10mA
I_v	Luminous intensity	4	11		mcd	IF = 2mA *
$2\varphi_{0,5}$	Emission Angel horizontal		65		deg.	φ E / Iv = 50%; IF=20mA, from top surface
$2\varphi_{0,5}$	Emission Angel vertical	20			deg.	φ E / Iv = 50%; IF=20mA, from top surface*
TK_{VF}	Temp.Coeff. of Forward Voltage		-0,3		mV/K	
TK_F	Temp.Coeff. of Radiant Power		-0,3		%/K	
$T_{Operating}$	Operating Temperature	- 25		85	°C	
$T_{Storage}$	Storage Temperature	- 25		85	°C	
$T_{Soldering}$	Soldering Temperature			260	°C	5mm from case @5 sec.
$\theta_{j\text{-}PIN}$	Thermal Resistance		450		K/W	
P_{tot}	Total Power Dissipation			50	mW	derate above 55°C 1,5mW/K

* only for information

Order Informations : FQP4341 Bulk