

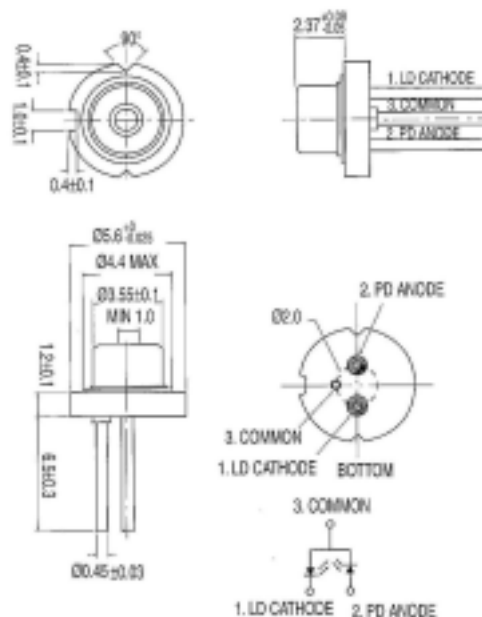


DB LECTRO
COMPOSANTS ÉLECTRONIQUES
ELECTRONIC COMPONENTS

6511-7261-AU 650nm 10mW Laser Diodes AUTO PACKAGE

Specifications

Device Laser Diode
Package Type TO-18(5.6mm)



Absolute Maximum Ratings($T_c=25^\circ\text{C}$)

Characteristics	Symbols	Ratings	Units
Optical Output	Po	12	mW
Reverse Voltage	Laser Vr	2	V
	PIN PD Vr(PIN)	30	V
Operating Temperature	Top	-10 +50	
Storage Temperature	Tstg	-40 +85	

Electrical and optical Characteristics($T_c=25^\circ\text{C}$)

Characteristics	Symbols	Conditions	Min.	Typ.	Max.	Units
Threshold Current	Ith	-	-	35	50	mA
Operating Current	Iop	Po=10mW	-	45	60	mA
Operating Voltage	Vop	Po=10mW	-	2.2	2.6	Volts
Slope Efficiency		5mW	0.3	0.5	1.0	mW/mA
		I(10mW)-I(5mW)				
Monitor Current	Im	Po=10mW	-	0.15	0.8	mA
Beam Divergence (FWHM)	Parallel	Po=10mW	6	8	12	deg.
	Prependicular	Po=10mW	25	32	40	deg.
Parallel Deviation Angle	//	Po=10mW	-3	-	3	deg.
Perpendicular Deviation Angle		Po=10mW	-3	-	3	deg.
Emission Point Accuracy	X	Po=10mW	-80	-	80	μm
	Y	Po=10mW	-80	-	80	μm
	Z	Po=10mW	-80	-	80	μm
Lasing Wavelength		Po=10mW	645	650	660	nm

Im is sorting by custom's need

// and are defined as the angle within which the intensity is 50% of the peak value.