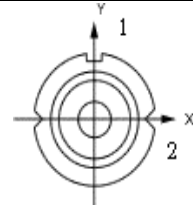




6521-2112-AU 660nm 20mW Laser Diodes AUTO PACKAGE

Specifications

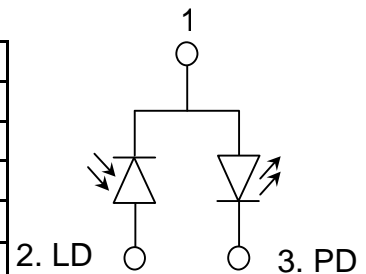
Device Laser Diode
 Package Type TO-18(5.6mm)



Top view

Absolute Maximum Ratings(Tc=25)

Characteristics	Symbols	Ratings	Units
Optical Output	Po	25	mW
Reverse Voltage	Laser	2	V
	PIN PD	30	V
Operating Temperature	Top	-10 +50	
Storage Temperature	Tstg	-40 +85	



Electrical and optical Characteristics(Tc=25)

Characteristics	Symbols	Conditions	Min.	Typ.	Max.	Units
Threshold Current	Ith	-	-	40	70	mA
Operating Current	Iop	Po=20mW	-	70	100	mA
Operating Voltage	Vop	Po=20mW	-	2.5	3.0	Volts
Slope Efficiency		10mW	-	0.7	-	mW/mA
		I(20mW)-I(10mW)				
Monitor Current	Im	Po=20mW	-	0.2	1.0	mA
Beam Divergence (FWHM)	Parallel	Po=20mW	6	8	12	deg.
	Prependicular	Po=20mW	17	22	26	deg.
Parallel Deviation Angle	//	Po=20mW	-3	-	3	deg.
Perpendicular Deviation Angle		Po=20mW	-3	-	3	deg.
Emission Point Accuracy	X	Po=20mW	-80	-	80	µm
	Y	Po=20mW	-80	-	80	µm
	Z	Po=20mW	-80	-	80	µm
Lasing Wavelength		Po=20mW	655	660	665	nm

Im is sorting by custom's need

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