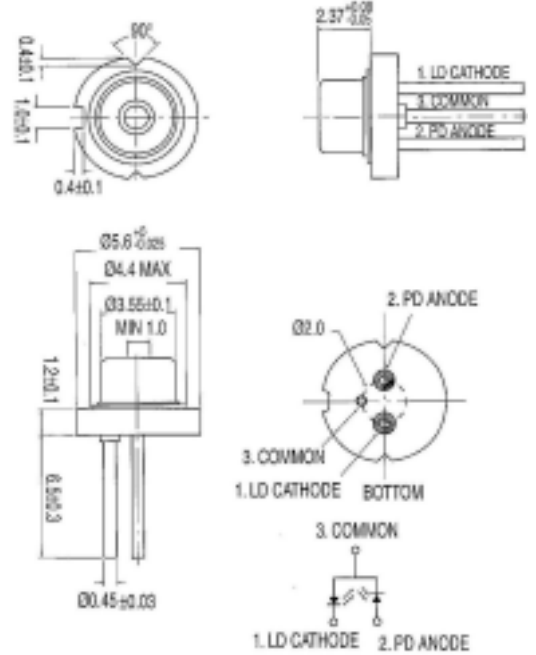




6311-7212-AU 635nm 10mW Laser Diodes AUTO PACKAGE

Specifications

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



Absolute Maximum Ratings(Tc=25)

Characteristics	Symbols	Ratings	Units
Optical Output	Po	12	mW
Reverse Voltage	Laser	2	V
	PIN PD	30	V
Operating Temperature	Top	-10 +40	
Storage Temperature	Tstg	-15 +85	

Electrical and optical Characteristics(Tc=25)

Characteristics	Symbols	Conditions	Min.	Typ.	Max.	Units
Threshold Current	Ith	-	-	25	35	mA
Operating Current	Iop	Po=10mW	-	45	55	mA
Operating Voltage	Vop	Po=10mW	-	2.3	2.7	Volts
Slope Efficiency		5mW	0.3	0.4	1.0	mW/mA
		I(10mW)-I(5mW)				
Monitor Current	Im	Po=10mW	-	0.4	1.0	mA
Beam Divergence (FWHM)	Parallel	Po=10mW	-	8	-	deg.
	Prependicular	Po=10mW	-	30	-	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	630	635	640	nm

Im is sorting by custom's need

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