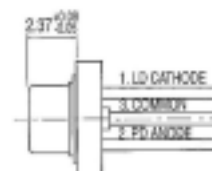
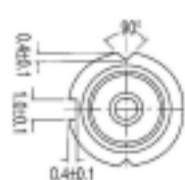




**6511-7261-AU 650nm 10mW Laser Diodes AUTO PACKAGE**

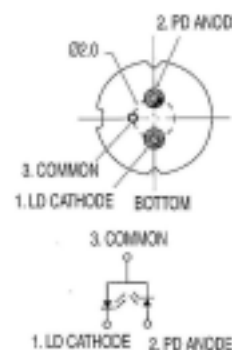
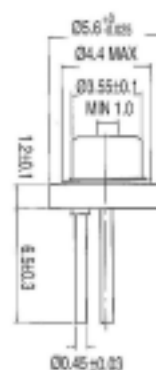
Specifications

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



Absolute Maximum Ratings(Tc=25 )

Characteristics	Symbols	Ratings	Units
Optical Output	Po	<b>12</b>	mW
Reverse Voltage	Laser	Vr	<b>2</b>
	PIN PD	Vr(PIN)	<b>30</b>
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	-	-	<b>35</b>	<b>50</b>	mA
Operating Current	Iop	Po=10mW	-	<b>45</b>	<b>60</b>	mA
Operating Voltage	Vop	Po=10mW	-	<b>2.2</b>	<b>2.6</b>	Volts
Slope Efficiency		5mW	<b>0.3</b>	<b>0.5</b>	<b>1.0</b>	mW/mA
		I(10mW)-I(5mW)				
Monitor Current	Im	Po=10mW	-	<b>0.15</b>	<b>0.8</b>	mA
Beam Divergence (FWHM)	Parallel	Po=10mW	<b>6</b>	<b>8</b>	<b>12</b>	deg.
	Prependicular	Po=10mW	<b>25</b>	<b>32</b>	<b>40</b>	deg.
Parallel Deviation Angle	//	Po=10mW	<b>-3</b>	-	<b>3</b>	deg.
Perpendicular Deviation Angle		Po=10mW	<b>-3</b>	-	<b>3</b>	deg.
Emission Point Accuracy	X	Po=10mW	<b>-80</b>	-	<b>80</b>	μm
	Y	Po=10mW	<b>-80</b>	-	<b>80</b>	μm
	Z	Po=10mW	<b>-80</b>	-	<b>80</b>	μm
Lasing Wavelength		Po=10mW	<b>645</b>	<b>650</b>	<b>660</b>	nm

Im is sorting by custom's need

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