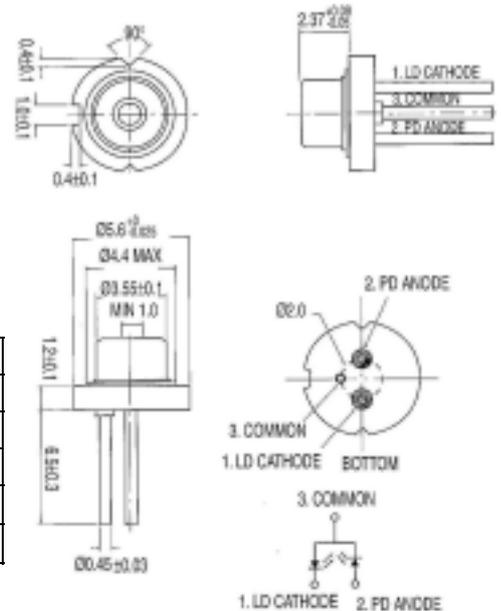




6550-7241-AU-50 650nm 5 mW Laser Diodes AUTO PACKAGE(REGROWTH)

Specifications

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



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Absolute Maximum Ratings(Tc=25)

Characteristics	Symbols	Ratings	Units
Optical Output	Po	7	mW
Reverse Voltage	Laser	Vr	2
	PIN PD	Vr(PIN)	30
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	-	-	20	30	mA
Operating Current	Iop	Po=5mW	-	30	40	mA
Operating Voltage	Vop	Po=5mW	-	2.2	2.6	Volts
Slope Efficiency		2mW	0.3	0.7	1	mW/mA
		I(5mW)-I(3mW)				
Monitor Current	Im	Po=5mW	-	0.2	0.8	mA
Beam Divergence (FWHM)	Parallel	Po=5mW	5	8	12	deg.
	Prependicular	Po=5mW	25	33	40	deg.
Parallel Deviation Angle	//	Po=5mW	-3	-	3	deg.
Perpendicular Deviation Angle		Po=5mW	-3	-	3	deg.
Emission Point Accuracy	X	Po=5mW	-80	-	80	um
	Y	Po=5mW	-80	-	80	um
	Z	Po=5mW	-80	-	80	um
Lasing Wavelength		Po=5mW	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.