

8022-1363-AU 808nm 200mW IR Laser Diodes AUTO PACKAGE

Specifications

Device Laser Diode
 Package Type TO-5(9.0mm)



Absolute Maximum Ratings(Tc=25)

Characteristics	Symbols	Ratings	Units
Optical Output	Po	200	mW
Reverse Voltage	Laser	2	V
	PIN PD	10	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	-	-	150	200	mA
Operating Current	Iop	Po=200mW	-	350	500	mA
Operating Voltage	Vop	Po=200mW	-	1.9	3	Volts
Slope Efficiency		100mW	0.65	0.9	1.0	mW/mA
		I(200mW)-I(100mW)				
Monitor Current	Im	Po=200mW	-	0.3	6.0	mA
Beam Divergence (FWHM)	Parallel	Po=200mW	-	12	17	deg.
	Prependicular	Po=200mW	-	28	40	deg.
Parallel Deviation Angle	//	Po=200mW	-3	-	3	deg.
Perpendicular Deviation Angle		Po=200mW	-3	-	3	deg.
Emission Point Accuracy	X	Po=200mW	-50	-	50	μ m
	Y	Po=200mW	-50	-	50	μ m
	Z	Po=200mW	-50	-	50	μ m
Lasing Wavelength		Po=200mW	804	807	810	nm

Im is sorting by custom's need

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