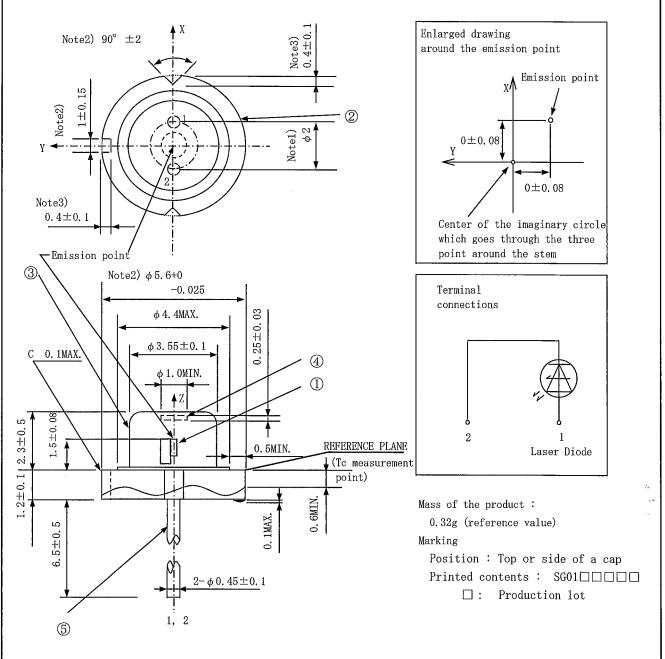
2. Outline dimensions and Terminal connections



Note 1) Dimension of the bottom of leads.

Note 2) These dimensions are valid only in the range of 0 \sim 0.6mm below from the reference plane.

Note 3) These dimensions are defined from the imaginary circle which goes through the three points around the stem to the bottom of cut off parts.

GENERAL TOLERANCES ± 0. 2

UNIT: mm

		CIVIT : dink				
No.	Component	Material	Finish			
1	Laser Diode Chip	InAlGaN	_			
2	Stem	Fe, Cu	Gold-plated			
3	Cap	45 alloy	Nickel+Pd plated			
4	Window glass	Borosilicated glass	_			
⑤	Lead pins	Kovar	Gold-plated			

SPEC, No. LH21704A

(Tc=25℃ (Note 1))

5

W/A

3-1 Absolute Maximum Ratings

Parameter	Symbol	Value_	Unit		
Operating current (CW)	Iop	850	mA		
Reverse voltage	Vrl	2	V		
Operating temperature (Case temperature)	Top(c)	0 ~ +60	$^{\circ}$ C		
Storage temperature	Tstg	-40 ∼ +85	$^{\circ}\mathbb{C}$		
Soldering temperature (Note 2)	Tsld	350	°C		
(Note 1) Tc : Case temperature (Tc measurement point	is refer to P.2 dr	owing.)			
(Note 2) Soldering temperature means soldering iron ti	oldering temperature means soldering iron tip temperature while soldering.				
Soldering position is 1.6mm apart from bottom	edge of the case.	(Immersion time:	≦3 _S)		

Soldering position is 1.6mm apart fr	om bottom	edge of the case.	(Immers	ion tim	e: ≤3g)	
			(Immol b	TOIL OFW.		
3-2 Electro-optical Characteristics (Note 1)	,				(′.	Гс=25°С]
Parameter	Symbo1	Conditions	Min.	Тур.	Max.	Unit
Threshold current	Ith	_	_	100	400	mA
Operating current (CW)	Iop		_	500	840	mA
Operating voltage	Vop		_	5. 2	6.3	V
Wavelength (Note 4)	λp		510	520	530	nm
Beam divergence angle (Parallel) (Note 2, 3)	θ //	Po=300mW	3	7	11	0
Beam divergence angle (Perpendicular) (Note 2, 3)	$\theta \perp$	T O-500IIIW	17	23	29	0
Misalignment angle (Parallel) (Note 3)	Δθ //		-5	_	5	0

 $\Delta \theta \perp$

Differential	efficiency	ηd	
(Note 1)	Initial value, Continuous Wave Op	eration	
(Note 2)	Angle of 50% peak intensity (Full	angle at	half-maximum)

(Note 3) Parallel to the junction plane (X-Z plane)

Misalignment angle (Perpendicular) (Note 3)

Perpendicular to the junction plane (Y-Z plane)

(Note 4) It is based on method for measurement of light spectrum analyzer Q8344A

made by Advantest Corp. of Sharp Corp. property.

-5

0.45

0.75