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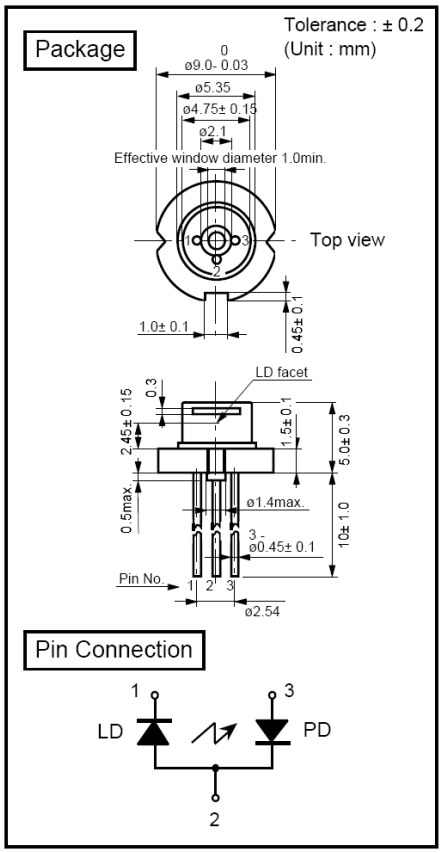

●Specifications:

Wavelength: 980nm

Power: 50mW CW

Package: TO18

●Absolute Maximum Ratings(T_c=25℃):

Parameter		Symbols	Ratings	Units
Light Output	CW	P_o	100	mW
Reverse Voltage	Laser	V_r	2	V
	PD	V_r(PIN)	30	V
Operation Temperature		T_{op}	-10~+50	℃
Storage Temperature		T_{stg}	-40~+80	℃

●Electrical and Optical Characteristics(T_c=25℃):

Parameter		Symbols	Condition	Min.	Typ.	Max.	Unit
Lasing Wavelength		λ_p	P_o=100mW	970	980	990	nm
Threshold Current		I_{th}	CW	-	35	55	mA
Operating Current		I_{op}	P_o=100mW	-	160	180	mA
Operating voltage		V_{op}	P_o=100mW	-	1.6	2.1	V
Monitoring Output Current		I_m	P_o=100mW Vr=0V	-	0.2	0.8	mA
Beam [1] Divergence	Parallel	$\theta_{//}$	P_o=100mW	8	12	14	deg.
	Perpendicular	$\theta_{\perp}$	P_o=100mW	30	35	40	deg.
Slope Efficiency		η	-	0.5	0.8	-	mW/mA
Emission Point Accuracy		-	P_o=100mW	-80	-	80	um

1) Full angle at half Maximum

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