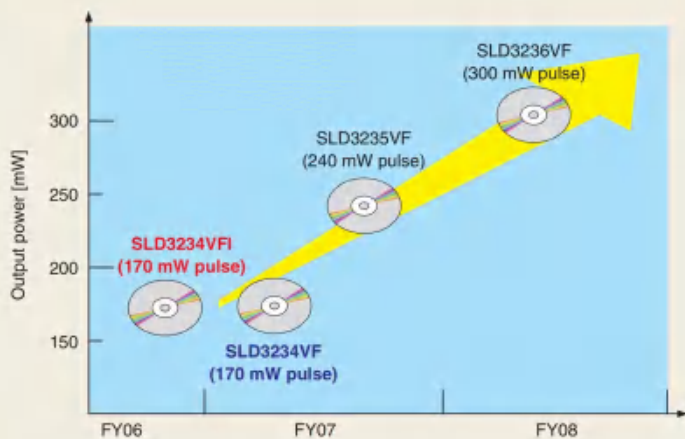




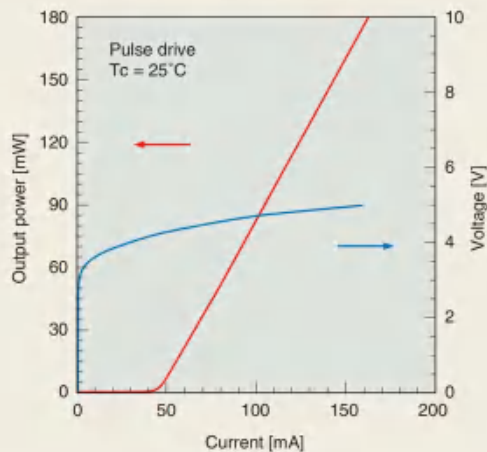
■ Table 1 Main Specifications

Item		Symbol	Typ.	Unit
Threshold current		I _{th}	40	mA
Operating current		I _{op}	90	
Operating voltage		V _{op}	5	V
Wavelength		λ _p	405	nm
Radiation angle	Parallel	θ _{//}	8	deg.
	Perpendicular	θ _⊥	21	
Differential efficiency		η _D	1.35	mW/mA

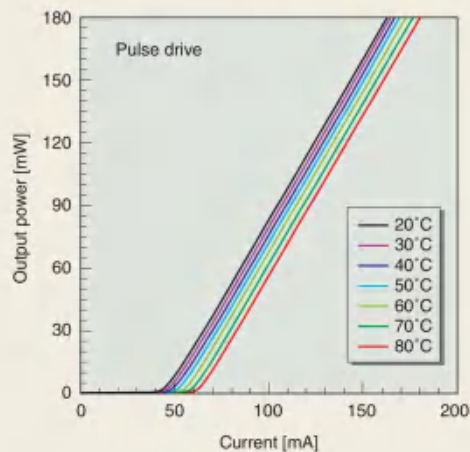
Condition: $T_c = 25^\circ\text{C}$
 $P_o = 65 \text{ mW@CW}$

■ Figure 1 Blu-ray Disc Recording Laser Diode Development Trends

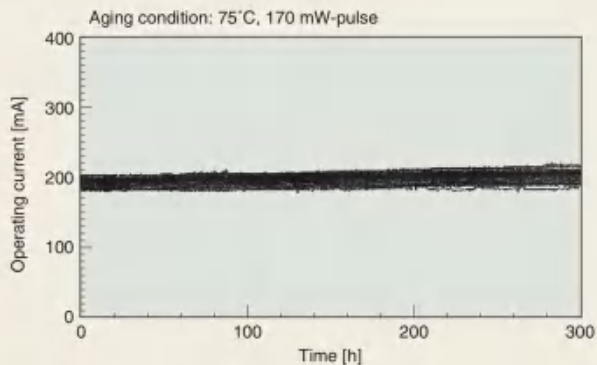
(1) L-I and V-I Characteristics



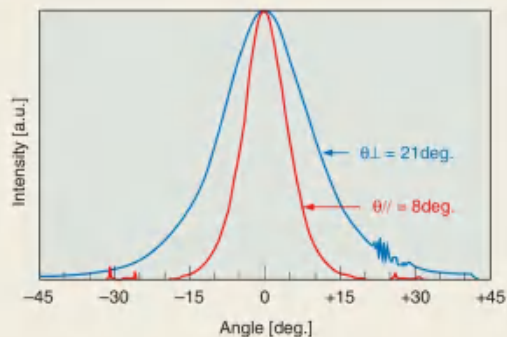
(2) L-I Characteristics Temperature Dependency



(3) Aging Curve



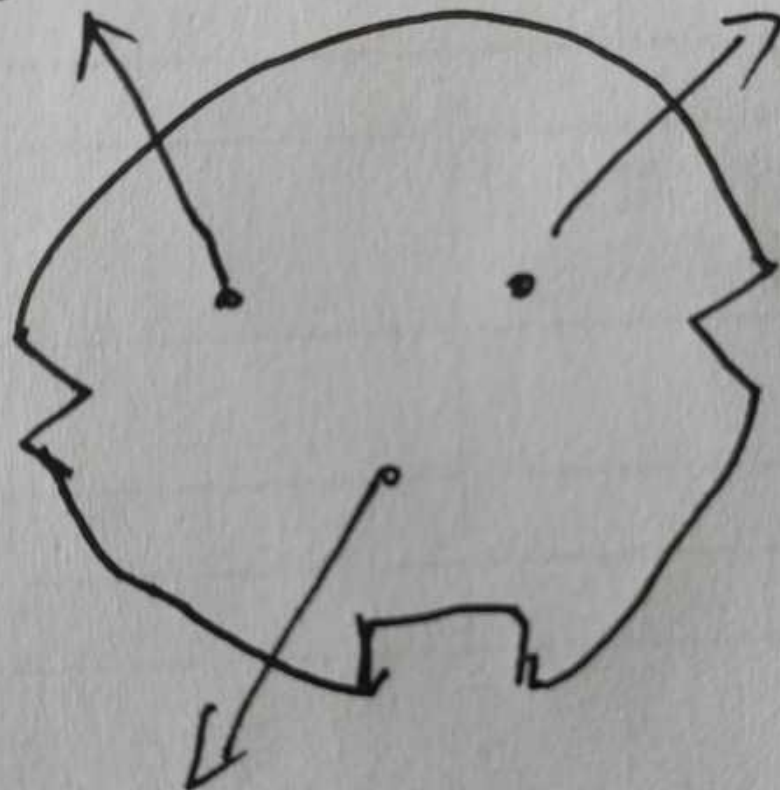
(4) Far-Field-Pattern



■ Figure 2 Representative Characteristics

LD-

LD+



PD or empty