

■ Applications

Range Finder
Laser Beam Printer

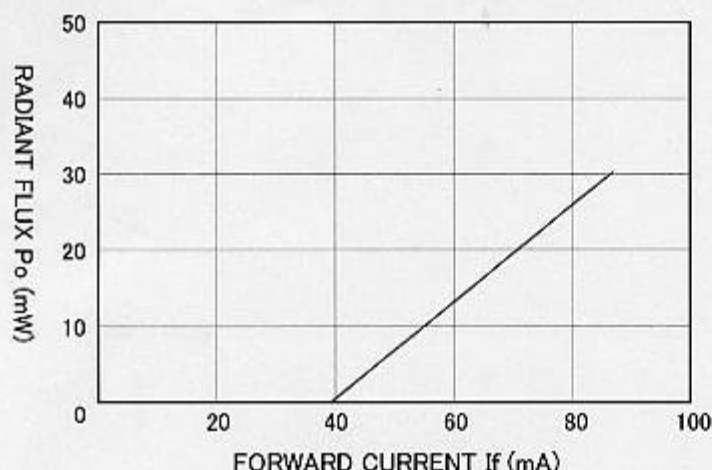
■ ABSOLUTE MAXIMUM RATINGS ($T_c=25^{\circ}\text{C}$)

Characteristics	Symbols	Ratings	Units
Output Power	P_o	30	mW
Reverse Voltage	V_r	1.5	V
Operating Temperature	T_{op}	-10 to +70	$^{\circ}\text{C}$
Storage Temperature	T_{stg}	-20 to +80	$^{\circ}\text{C}$

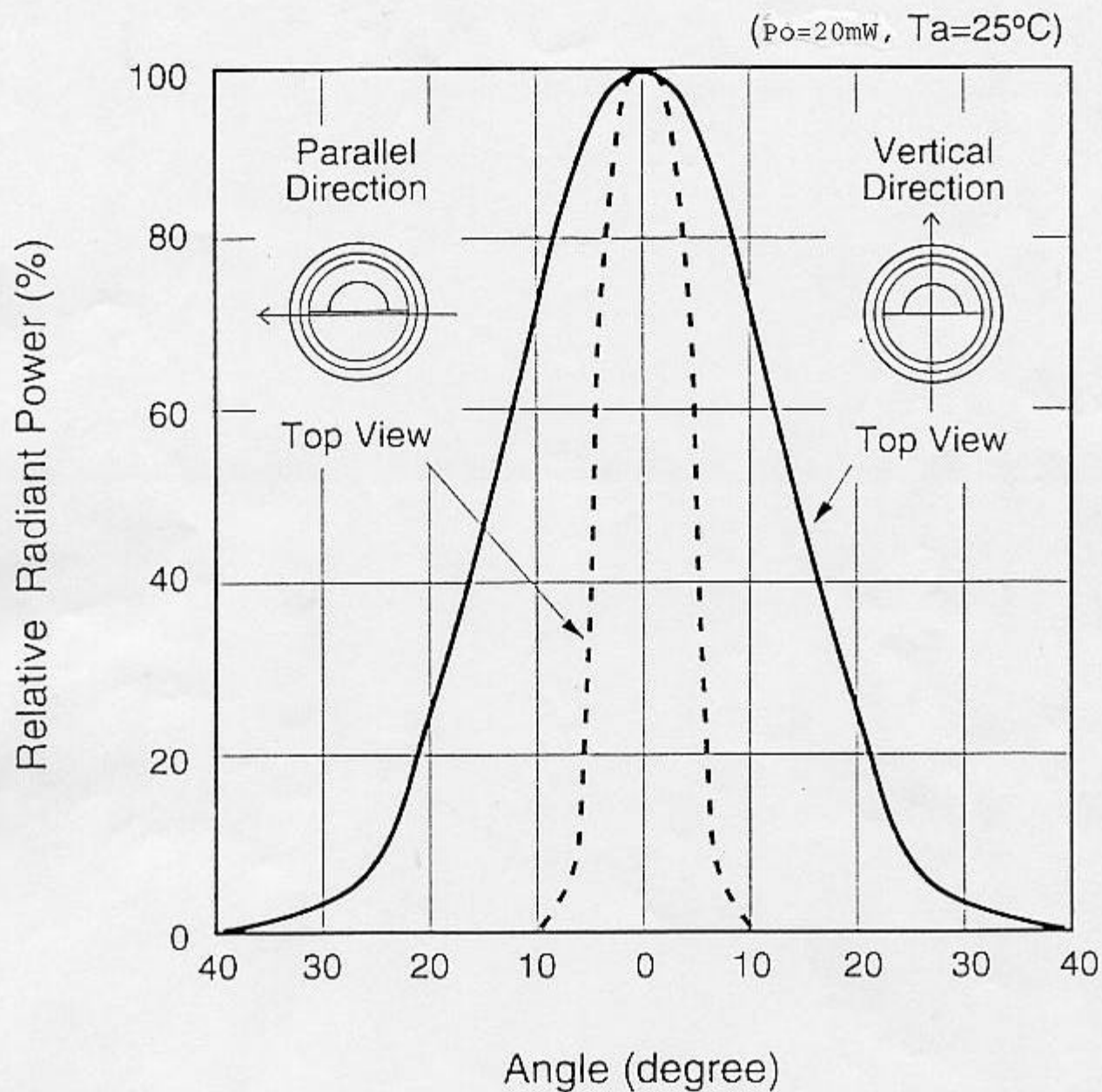
■ CHARACTERISTICS ($T_c=25^{\circ}\text{C}$)

Characteristics	Symbols	Test Conditions	Min.	Typ.	Max.	Units
Threshold Current	I_{th}			40	60	mA
Operating Current	I_{op}	$P_o=20\text{mW}$		70	100	mA
Operating Voltage	V_{op}	$P_o=20\text{mW}$		1.7	2.2	V
Peak Wavelength	λ_p	$P_o=20\text{mW}$	840	850	860	nm
Monitor Current	I_m	$P_o=20\text{mW}$	0.07	0.4	1	mA
Parallel Beam Spread	$\theta_{\parallel}$	$P_o=20\text{mW}$	5	7	12	deg
Vertical Beam Spread	θ	$P_o=20\text{mW}$	22	27	32	deg

■ RADIANT POWER vs. FORWARD CURRENT



■ TYPICAL DIRECTIVITY



CW Laser Diode L7650

DIMENSIONAL OUTLINES

