



## Optical-Electrical Characteristics

@ T<sub>A</sub>=25°C

Parameter	Test Conditions	Symbol	Min.	Typ .	Max.	Unit
Radiant Intensity	I <sub>F</sub> =20mA	I <sub>e</sub>		2.5		mW/sr
Forward Voltage	I <sub>F</sub> =50mA	V <sub>F</sub>		1.5	1.8	V
Reverse Current	V <sub>R</sub> =5V	I <sub>R</sub>			10	μA
Peak Wavelength	I <sub>F</sub> =20mA	λ		850		nm
Spectral Bandwidth	I <sub>F</sub> =20mA	Δλ		30		nm
View Angle	I <sub>F</sub> =20mA	2 θ <sub>1/2</sub>		35		deg .
Rise Time	I <sub>F</sub> =50mA	Tr		20		nsec
Fall Time	I <sub>F</sub> =50mA	Tf		30		nsec

## Typical Optical-Electrical Characteristic Curves

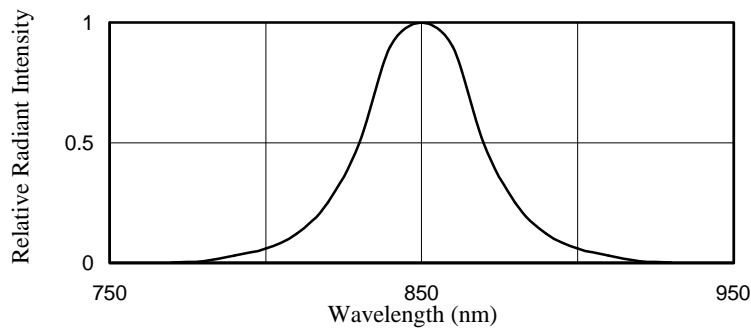


FIG.1 SPECTRAL DISTRIBUTION

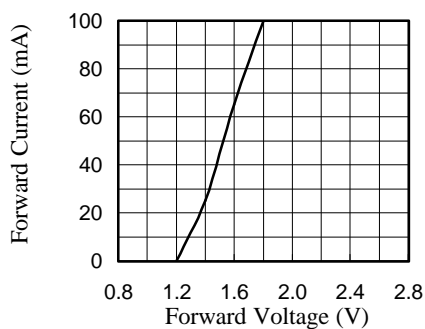


FIG.2 FORWARD CURRENT VS. FORWARD VOLTAGE

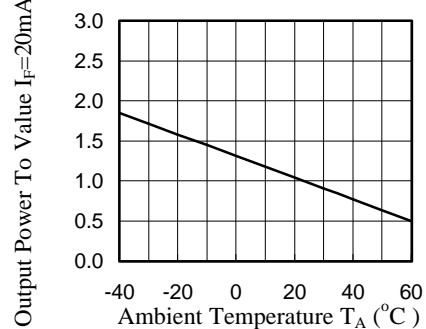


FIG.3 RELATIVE RADIANT INTENSITY VS. AMBIENT TEMPERATURE

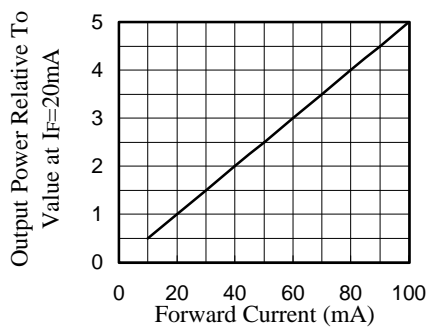


FIG.4 RELATIVE RADIANT INTENSITY VS. FORWARD CURRENT

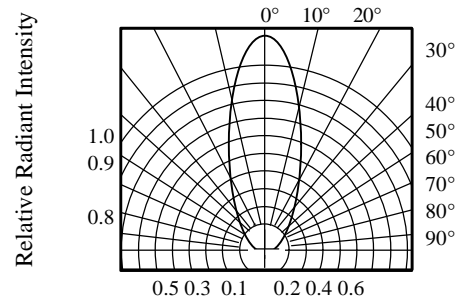


FIG.5 RADIATION DIAGRAM