

Optical-Electrical Characteristics

@ T_A=25°C

Parameter	Test Conditions	Symbol	Min.	Typ .	Max.	Unit
Radiant Intensity	I _F =20mA	I _e		2		mW/sr
Forward Voltage	I _F =50mA	V _F		1.3	1.5	V
Reverse Current	V _R =5V	I _R			10	μA
Peak Wavelength	I _F =20mA	λ		940		nm
Spectral Bandwidth	I _F =20mA	Δλ		50		nm
View Angle	I _F =20mA	2 θ _{1/2}		35		deg .

Typical Optical-Electrical Characteristic Curves

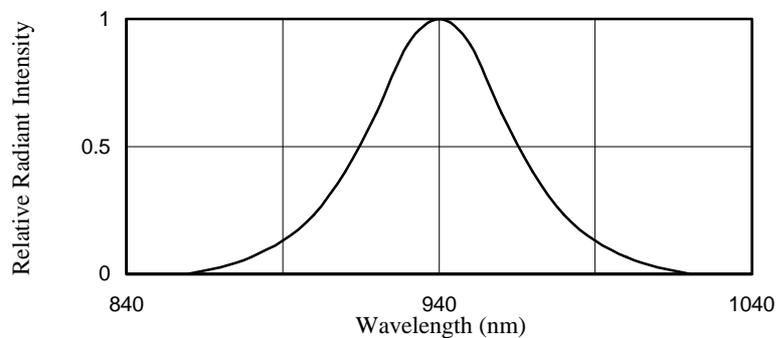


FIG.1 SPECTRAL DISTRIBUTION

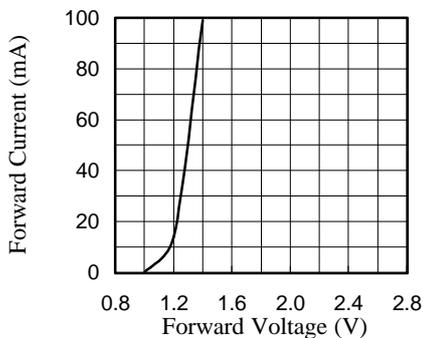


FIG.2 FORWARD CURRENT VS. FORWARD VOLTAGE

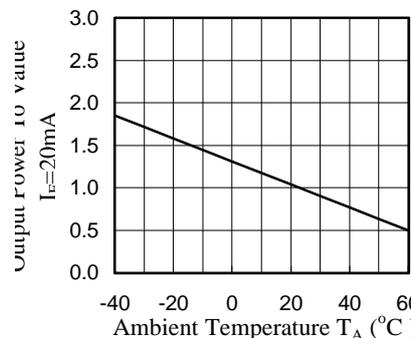


FIG.3 RELATIVE RADIANT INTENSITY VS. AMBIENT TEMPERATURE

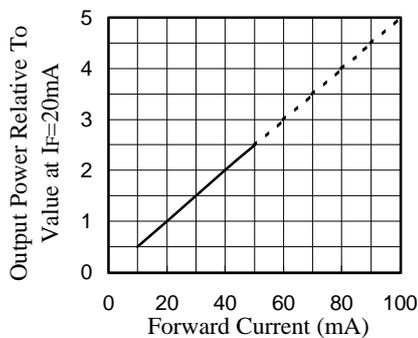


FIG.4 RELATIVE RADIANT INTENSITY VS. FORWARD CURRENT

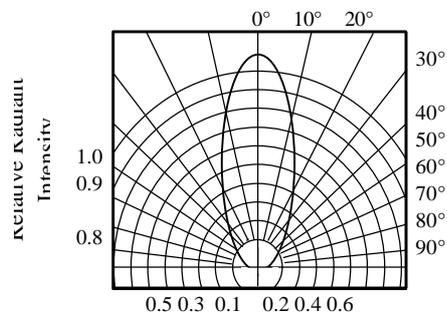


FIG.5 RADIATION DIAGRAM