

INFRARED EMITTING DIODE

1.ELEMENT APPEARANCE

Model No.	Material	Lighting Color	Resin Color
RT5-R0107E2C-B	AlGaAs/ AlGaAs	Non-Visible	Blue Clear

2.ELECTRO-OPTICAL CHARACTERISTICS AT Ta=25°C

Characteristic	Symbol	Condition	Min.	Typ.	Max.	Unit
Radiant intensity	I _e	IF=50mA	24	40		mW/sr
Forward voltage	V _F	IF=100mA		1.6	2.0	V
Reverse current	I _R	V _R =4V			10	μ A
Peak emission wavelength	λ _p	IF=50mA		850		nm
Spectral band width @ 50%	Δλ	IF=50mA		42		nm
Rise time/Fall time	tr/tf	IF=50mA		25/15		ns
Viewing angle	2θ 1/2	IF=50mA		35		deg.

※Power 誤差値±15% mW/sr 、VF 誤差値±0.05V、波長誤差値±1nm

3.DIMENSIONS UNIT :m/m

1.CATHODE
2.ANODE

