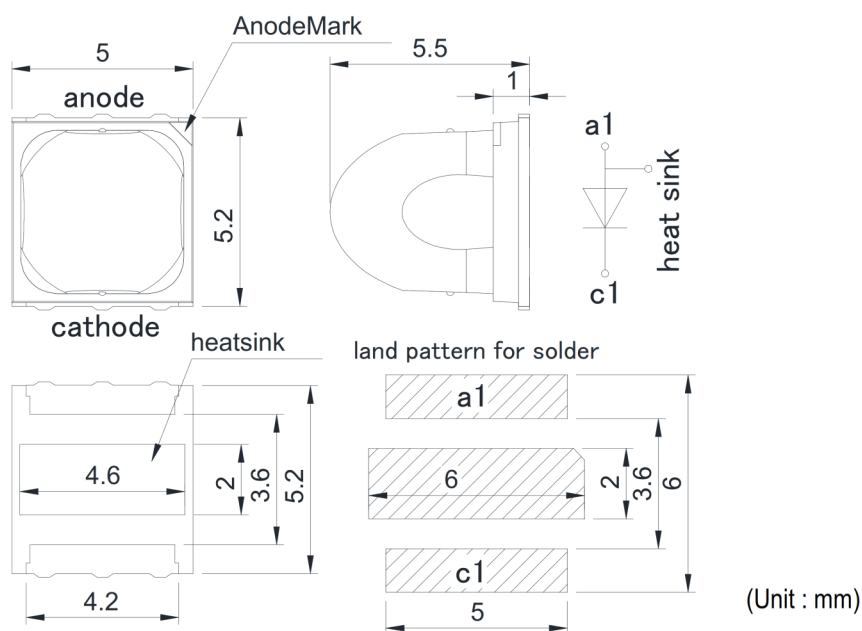


1650NM SWIR SENSOR LED

P/N: RDA-8440-S000



Outline and Internal Circuit



Features

- Chip Material : InGaAsP
- Chip Dimension : 1000um * 1000um
- Number of Chips : 1pce
- Peak Wavelength : 1650nm typ.
- Lead Frame Die : Silver Plated on Copper
- Package Resin : PA9T
- Lens : Silicone Resin

Absolute Maximum Ratings (Tc=25°C)

Power Dissipation	PD	3300	mW
Forward Current	IF	1500	mA
Pulse Forward Current	IFP	4000	mA
Reverse Voltage	VR	3	V
Thermal Resistance	Rthjs	10	K/W
Junction Temperature	Tj	120	°C
Operating Temperature	Topr	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +100	°C
Soldering Temperature	TSOL	250	°C

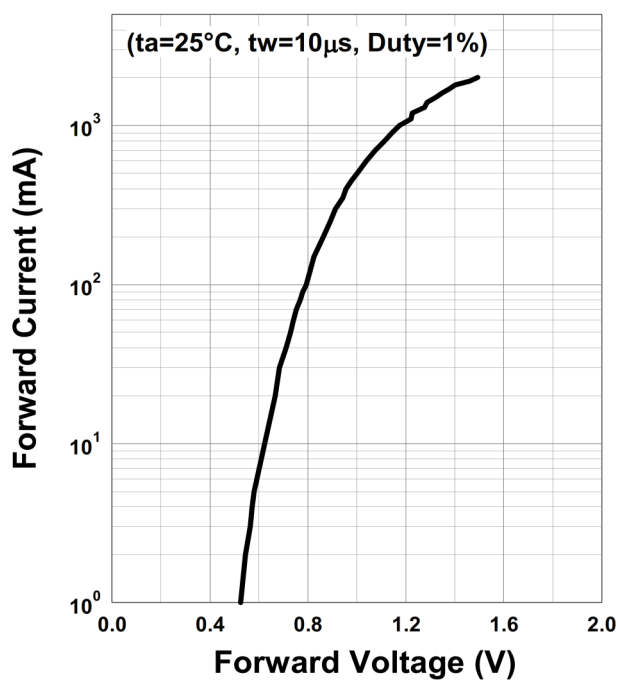
‡Pulse Forward Current condition : Duty 1% and Pulse Width=10us.

‡Soldering condition : Refer to technical support information on the website.

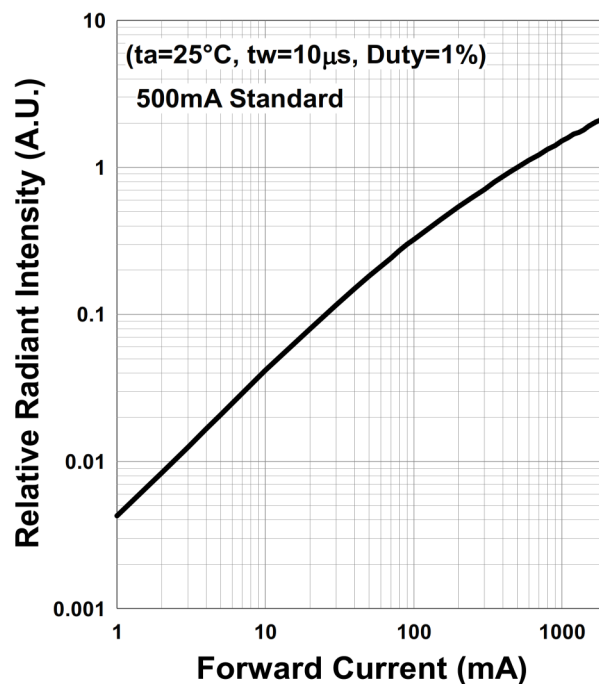


Typical Characteristic Curves

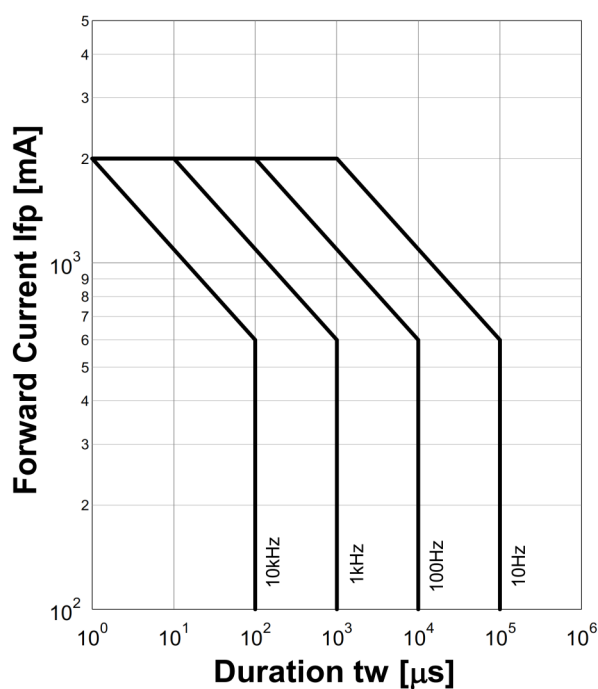
Forward Current - Forward Voltage



Relative Radiant Intensity - Forward Current



Forward Current - Pulse Duration



Allowable Forward Current - Ambient Temperature

