

smd 5050 infrared led-850nm Product Details

**Absolute Maximum Rating (Ta=25°C)**

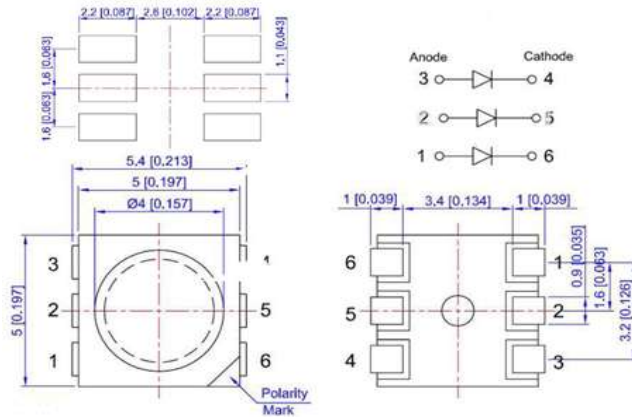
Item	Symbol	Value	Unit
DC forward current	$I_F$	150	mA
Pulse forward current	$I_{FP}$	200	mA
Power dissipation	$P_D$	200	mW
Operating temperature	$T_{opr}$	-20~+75	°C
Storage temperature	$T_{stg}$	-30~+80	°C
Reverse voltage	$V_R$	5	V
Sold soldering temperature	$T_{sol}$	260°C/3Sec	---

Plus with Max 10ms, duty ratio max1/10

**Initial Electrical/Optical Characteristics (Ta=25°C)**

Item	Symbol	condition	Min	Type	Max	Unit
DC forward Voltage	$V_F$	I=60mA	1.35	1.5	1.8	V
DC reverse Current	$I_R$	V=5V	----	----	5	$\mu A$
wavelength	$\lambda_p$	I=60mA	840	850	855	Nm
Spectrum Radiation Bandwidth	$\Delta \lambda$	I=60mA	----	28	----	Nm
Luminous Intensity	$I_V$	I=60mA	85	----	150	mw
50%Power Angle	$2\theta_{1/2}$	I=60mA	----	120	----	deg

**Package Outline Dimensions**



Note:1.UNIT:MM[INCH].

2.The tolerances unless mentioned is  $\pm 0.2$ mm

