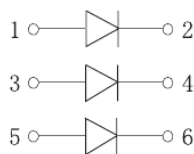
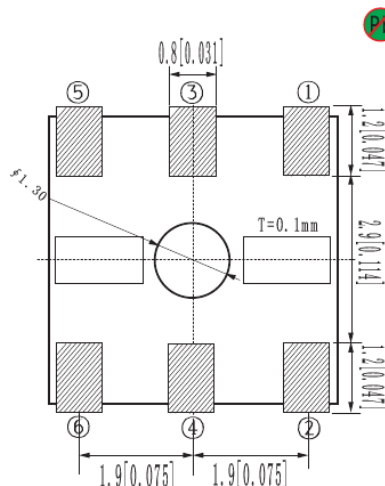


5.0*5.0*1.6mm SMD LED (SMD5050)

MODEL NO.: IE-5050R-SB-C

Package outlines



ITEM	MATERIALS
Resin(mold)	Silicone
Bonding Wire	φ21μm Au
Lens color	Water Clear
Printed circuit board	PPA Cu
Emitted color	Red
Face color	Black

Notes:

- 1、 All dimensions are in mm.
2、 Tolerance is ± 0.25 mm unless otherwise noted.

5.0*5.0*1.6mm SMD LED (SMD5050)

MODEL NO.: IE-5050R-SB-C

Absolute maximum ratings			(T _A =25°C)			
Parameter	Symbol	Value			Unit	
		Red				
Power dissipation	Pd	60			mW	
Forward current	If	30			mA	
Reverse voltage	Vr	5			V	
Operating temperature range	Top	-40~+100			°C	
Storage temperature range	Tstg	-40~+100			°C	
Peak pulsing current	Ifp	100			mA	
Electrostatic Discharge	ESD	1000			V	
Electro-optical characteristics			(T _A =25°C)			
Parameter	Test Condition	Symbol	Value			Unit
			Min.	Typ.	Max.	
Wavelength at peak emission	If=20mA	λpeak	--	--	--	nm
Spectral half bandwidth	If=20mA	△λ	--	20	--	nm
Dominant wavelength	If=20mA	λD	615	620	625	nm
Forward voltage	If=20mA	Vf	1.6	2.1	2.6	V
Luminous intensity	If=20mA	Iv	1000	1270	2800	mcd
Viewing angle at 50% Iv	If=20mA	2θ1/2	--	120	--	Deg
Reverse current	Vr=5V	Ir	--	--	10	μA
NOTE: IFPConditions:Pulse Width≤10msec. and Duty ≤1/10.						