UNISONIC TECHNOLOGIES CO., LTD

LIS05AF-50

INFRARED LAMP LED

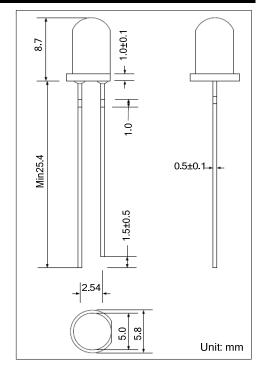
LIS05AF-50

■ DESCRIPTION

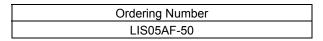
The UTC **LIS05AF-50** is kind of a infrared lamp led which is specially applicatted for the lamp. The features include: free air transmission system, opto-electronic switch and floppy disk drive.

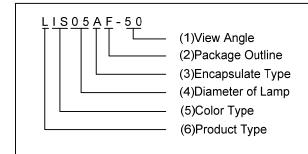
■ FEATURES

- * With Infrared applied system
- * Internal Smoke detector



■ ORDERING INFORMATION





- (1) 50: 50°±3°
- (2) F: Round with Brim
- (3) A: Colorless Transparent
- (4) 05: Ф5
- (5) IS: Infrared (850nm)
- (6) L: Lamp

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ABSOLUTE MAXIMUM RATING

PARAMETER	SYMBOL	RATINGS	UNIT
Reverse Voltage	V_R	5	V
Forward Current	I _F	20	mA
Peak Forward current (Note 2)	I _{FM}	1000	mA
Power Dissipation	P _D	150	mW
Operation Temperature	T _A	-30~+65	$^{\circ}\mathbb{C}$
Lead Soldering Temperature (Note 3)	T _{SD}	260	$^{\circ}\mathbb{C}$
Storage Temperature	T _{STG}	-40~+80	$^{\circ}\mathbb{C}$

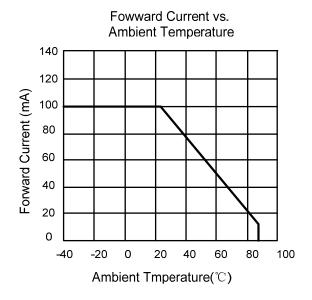
- Note: 1. Absolute maximum ratings are those values beyond which the device could be permanently damaged.

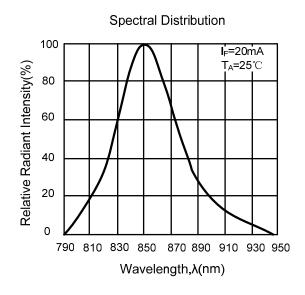
 Absolute maximum ratings are stress ratings only and functional device operation is not implied.
 - 2. IFP Conditions----Pulse WIdth ≤100s and Duty≤ 1%.(Pulse test)
 - 3. t ≤5s,to shell 2mm

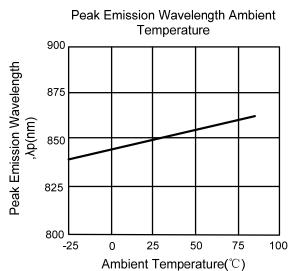
■ **ELECTRICAL CHARACTERISTICS** (T_A=25°C, unless otherwise specified)

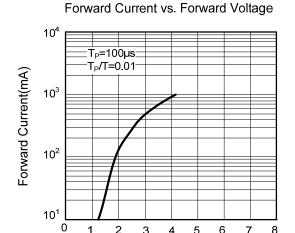
PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage	V_{F}	I _F =20mA	1.1		1.5	V
Reverse Current	I_{R}	VR=5V	0		10	μA
Radiant Intensity	E _e	I _F =20mA	8		12	mW/sr
Peak Wavelength	λр	I _F =20mA		850		nm
Spectral Radiation Bandwidth	Δλ	I _F =20mA		45		nm
Viewing Angle	201/2			50		deg
Rise Time	T_{R}	I _F =20mA		2		μs
Fall Time	T _F	I _F =20mA		1		μs

TYPICAL CHARACTERISTICS









3

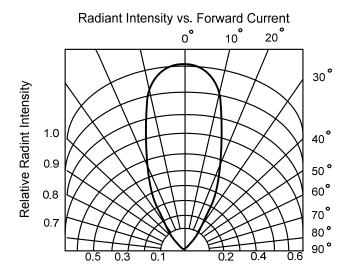
5

Forward Voltage(V)

7 8

1

2



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