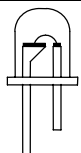


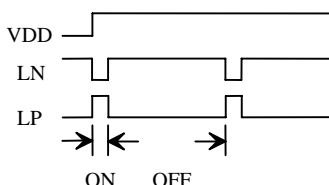
| | |
|----------------------|---|
| LED FLASH |  |
| M1142A/M1143A | |

BLINKING LED

LED 闪烁 IC

FEATURES 功能叙述

- Simple and easy to mount in LED lamp.
- Gold plating: suffix-G.



| P/N | ON | OFF | LED | DUTY |
|----------|-------|-----|-----|------|
| M1142A-1 | 0.75" | 3" | LP | 1/5 |
| M1143A-1 | 0.75" | 3" | LN | 1/5 |

APPLICATION 产品应用

- Blinking LED, Function indicator, Xmas decoration.

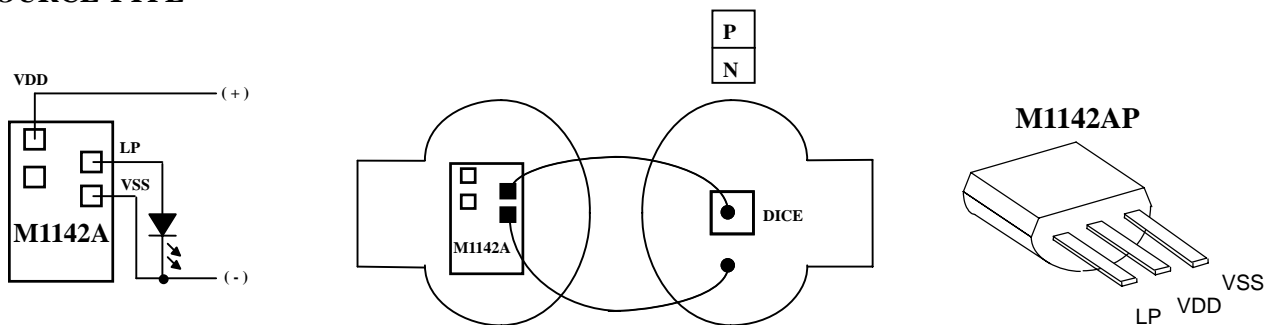
ELECTRICAL CHARACTERISTICS 电气规格

(@V_{DD}=3V unless otherwise specified)

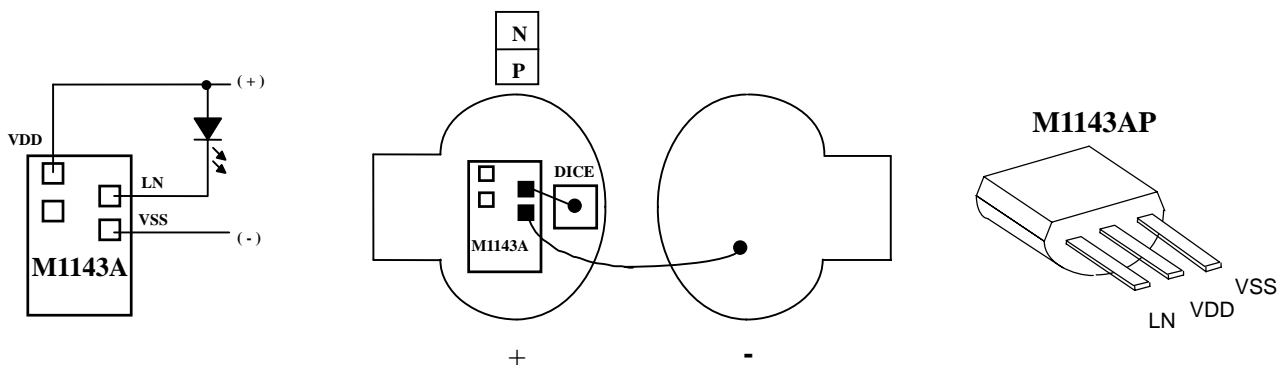
| Characteristics | Sym. | Min. | Typ. | Max. | Unit | REMARKS |
|----------------------------|------------------|------|------|------|------|----------------------|
| 工作电压 Operating Voltage | V _{DD} | 2 | 3 | 3.5 | V | |
| 工作电流 Operating Current | I _{OP} | — | 0.1 | 0.5 | mA | No load |
| 静态电流 Quiescent Current | I _{SB} | — | — | — | μA | |
| 推动电流 Driving Current | I _{OL} | 1 | 2 | — | mA | @V _{DS} =1V |
| 振荡频率 Oscillator Frequency | F _{OSC} | — | 131 | — | KHz | ±30% TOL. |
| 工作温度 Operating Temperature | Temp. | 0 | 25 | 60 | °C | |

APPLICATION DIAGRAM 参考电路图

(1) SOURCE TYPE



(2) SINK TYPE



* IC PAD ~ 100 x 100 μm²

* IC CHIP ~ 0.78 x 0.56 mm², substrate to VDD.

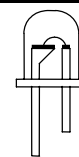
* All specs and applications shown above subject to change without prior notice.

(以上电路及规格仅供参考,本公司得径行修正)



LED FLASH

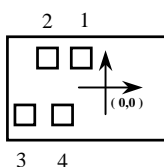
M1142A/M1143A



BLINKING LED

LED 闪烁 IC

PAD ASSIGNMENT & POSITION



UNIT : um

| No. | NAME | X | Y |
|-----|------|--------|--------|
| 1 | VSS | 33.1 | 152.2 |
| 2 | LED | -149.2 | 152.2 |
| 3 | VDD | -265 | -152.2 |
| 4 | TEST | -82.6 | -152.2 |

* CHIP SIZE ~ 0.78 x 0.56 mm²

* IC substrate should be connected to VDD in PCB (PCB 上 IC 必须接 VDD)