



## DISCRIMINATOR MODULE DI1 IDENTIFICATION SHEET

### IDENTIFICATION

Type: DI1

Serial number:

### TECHNICAL SPECIFICATIONS

Supply:  $V_{cc} = 5V \pm 10\%$  (2.3 mA)

Output level: 0 - 5V

Maximum output current:  $\pm 5mA$

Output polarity: positive and negative

Output pulse length:

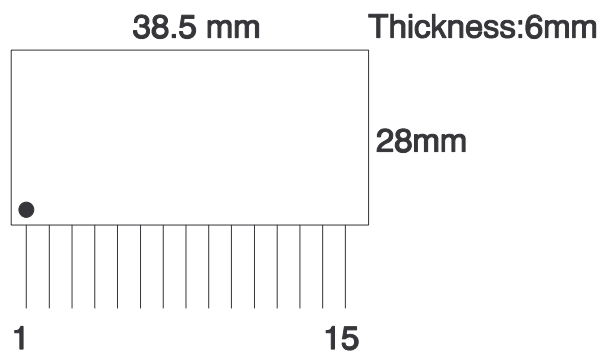
Thresholds: external setting between 0 to 3.5V ( $I_{th} < 100nA$ )

Integrated voltage reference:  $V_{ref} = 3.50V$  ( $I_{max} = 1mA$ )

Input impedance:  $> 10K\Omega$

Input range: 0 to 3.5V

### CONNECTOR : 15SIP100



Pin assignment:

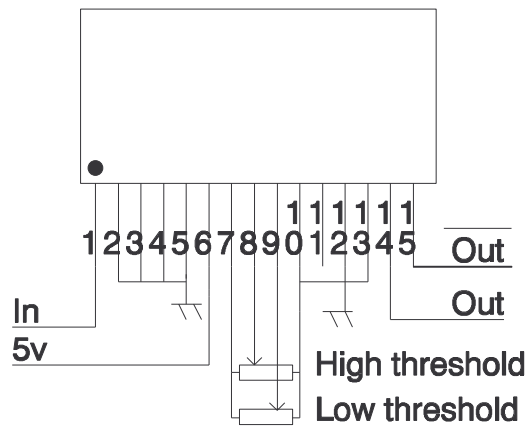
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|-------------------------|----------------------------------|
| 1: Input                | 9: Low threshold input           |
| 2: Ground               | 10: Ground                       |
| 3: Ground               | 11: Window / threshold input     |
| 4: Ground               | 12: Ground                       |
| 5: Ground               | 13: Ground                       |
| 6: $V_{cc}$             | 14: Pulse output (complementary) |
| 7: $V_{ref}$ output     | 15: Pulse output                 |
| 8: High threshold input |                                  |

## DI1 PROGRAMMATION

Pin 11 tied to ground: Threshold discriminator (High level inactive)

Pin 11 floating or high: Window discriminator (High level active)

## DI1 TYPICAL CONFIGURATION



Typical value: 22KOhm