

GP1A51HRJ00F

Gap : 3mm, Slit : 0.5mm
*OPIC Output
Case package Transmissive
Photointerrupter



■ Description

GP1A51HRJ00F is a standard, OPIC output, transmissive photointerrupter with opposing emitter and detector in a case, providing non-contact sensing. For this family of devices, the emitter and detector are inserted in a case, resulting in a through-hole design.

The case includes additional screw fixing holes, on both sides 3.2mm diameter.

■ Features

1. Transmissive with OPIC output
2. Highlights:
 - Vertical Slit for alternate motion detection
 - Output Low Level at intercepting optical path
 - Includes additional screw fixing holes
3. Key Parameters:
 - Gap Width : 3mm
 - Slit Width (detector side) : 0.5mm
 - Package : 12.2×10×18mm
4. RoHS directive compliant

■ Agency approvals/Compliance

1. Compliant with RoHS directive

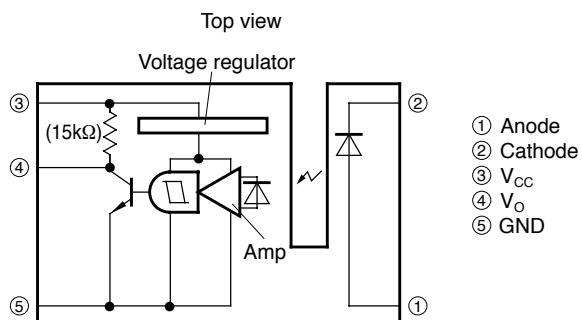
■ Applications

1. General purpose detection of object presence or motion.
2. Example : Printer, FAX, Optical storage unit

* "OPIC"(Optical IC) is a trademark of the SHARP Corporation. An OPIC consists of a light-detecting element and a signal-processing

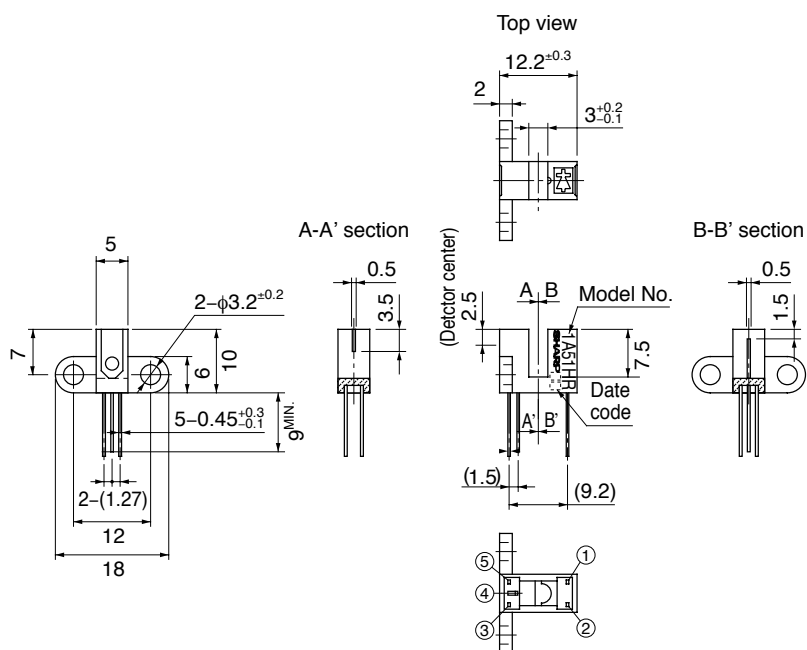
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Internal Connection Diagram



Outline Dimensions

(Unit : mm)



• Unspecified tolerance shall be as follows ;

Dimensions (d)	Tolerance
$d \leq 6$	± 0.1
$6 < d \leq 18$	± 0.2

• () : Reference dimensions

Product mass : approx. 0.65g

Dip soldering material : Sn-3Ag-0.5Cu