

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Available: July 2007

Photointerrupter with Connector

GP1A173LCS2F/GP1S173LCS2F

Features

- Employs connector-united case and connector pin-united frame.
 - Low cost by part reduction
- High operating temperature (-30 to +95 °C) Extending area to mount photointerrupter under high/low temperature condition in copier & LBP.
- High reliability of connection improved by combined case & connector as one part.
- Mechanical installation is compatible with conventional models. (GP1A73/GP1S73 series)

Main Specifications

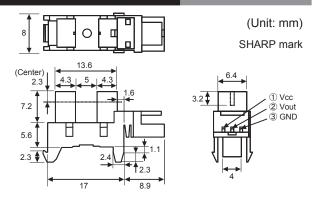
OPIC output type [GP1A173LCS2F]

Parameter		Symbol	Characteristics
Operating supply voltage		Vcc	4.5 to 5.5 V
Low level supply current		Iccl	MAX. 16.5 mA
Low level output voltage		Vol	MAX. 0.35 V
High level supply current		Іссн	MAX. 16.5 mA
High level output voltage		Vон	MIN. Vcc × 0.9 V
Response characteristics	MIN. interruption time	tн	MIN. 166 μs
	MIN. sensing time	t∟	MIN. 166 μs
Operating temperature		Topr	-30 to +95 °C

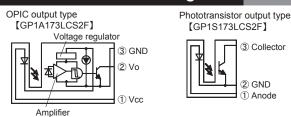
Phototransistor output type [GP1S173LCS2F]

	1 71 -		
Parameter		Symbol	Characteristics
Forward voltage		VF	1.2 to 1.4 V
Peak forward voltage		V _{FM}	TYP. 3 V
Reverse voltage		IR	MAX. 10 mA
Dark current		Iceo	MAX. 100 nA
Collector current		Ic	MIN. 0.5 mA
Collector-emitter voltage		VCE (sat)	MAX. 0.4 V
Response	Rise time	tr	MAX. 15 μs
characteristics	Fall time	t f	MAX. 20 µs
Operating temperature		Topr	-30 to +95 °C

Outline Dimensions

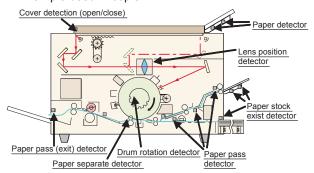


Internal Connection Diagram



Application

■ Example used in copier

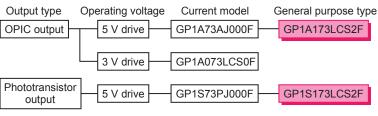


Lineup

Applications

■ Transmissive type photointerrupter with connector

■ Copier, Laser beam printer





New product

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