

TUM 41.034

Ident-Nr.: 903199

Datum 20.05.99

WG 520674

A. J. J.
19.10.99

SHARP

GP1A70R/GP1A71R

GP1A70R/GP1A71R**OPIC Photointerrupter with Encoder Functions****■ Features**

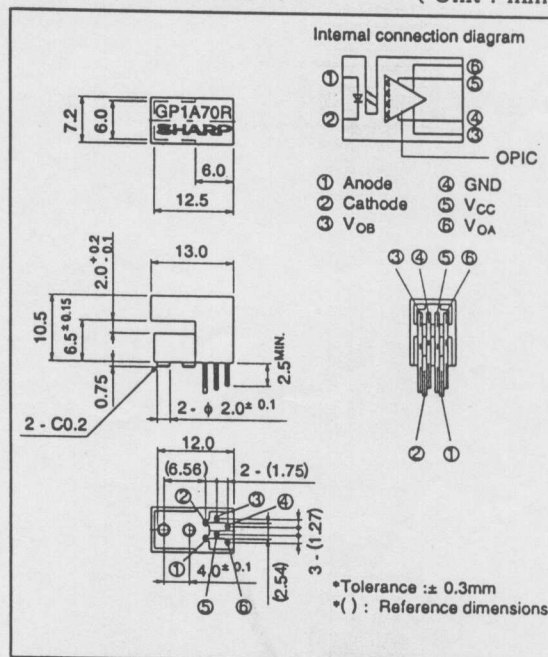
1. 2-phase (A, B) digital output
2. Sensing accuracy
(GP1A70R Disk slit pitch : 1.14mm)
(GP1A71R Disk slit pitch : 0.7mm)
3. PWB mounting type
(Lead bending type)
4. TTL compatible output
5. Compact, lightweight

■ Applications

1. Printers
2. Copiers
3. Numerical control machines

■ Outline Dimensions

(Unit : mm)



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

■ Absolute Maximum Ratings

(Ta = 25°C)

	Parameter	Symbol	Rating	Unit
Input	Forward current	I _F	50	mA
	*1 Peak forward current	I _{FM}	1	A
	Reverse voltage	V _R	6	V
	Power dissipation	P	75	mW
Output	Supply voltage	V _{CC}	7	V
	Low level output current	I _{OL}	20	mA
	Power dissipation	P _O	250	mW
	Operating temperature	T _{opr}	0 to + 70	°C
	Storage temperature	T _{stg}	- 40 to + 80	°C
	*2 Soldering temperature	T _{sol}	260	°C

*1 Pulse width ≤ 100 μs, Duty ratio 0.01

*2 For 5 seconds

"In the absence of confirmation by device specification sheets, SHARP takes no responsibility for any defects that occur in equipment using any of SHARP's devices, shown in catalogs, data books, etc. Contact SHARP in order to obtain the latest version of the device specification sheets before using any SHARP's device."