

LG - 413

The LG-413D actuator type photointerrupter combined GaAs IRED, high sensitive photo IC and actuator, is ideal for copiers, facsimiles.

LG - 413L : High level output at shielding

LG - 413D : Low level output at shielding

FEATURES

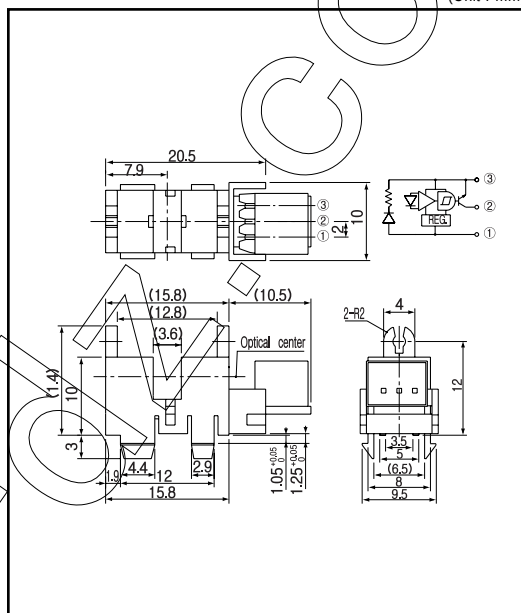
- Connector type AMP(JAPAN)Ltd.
- With folder for lever installation
- Snap-in mount

APPLICATIONS

- Copiers
- Facsimiles
- Printing machines
- Printers

DIMENSIONS

(Unit : mm)



MAXIMUM RATINGS

(Ta=25)

Item	Symbol	Rating	Unit
Supply voltage	V _{CC}	8	V
Output voltage	V _{OUT}	16	V
Low level output current	I _{OL}	16	mA
Power dissipation	P	100	mW
Operating temp. ^{*1*2}	T _{opr.}	- 20 ~ + 75	
Storage temp. ^{*1*2}	T _{stg}	- 40 ~ + 85	

*1. The connector shall be inserted or pulled out at normal temperature.

*2. No icebound or dew.

ELECTRO-OPTICAL CHARACTERISTICS

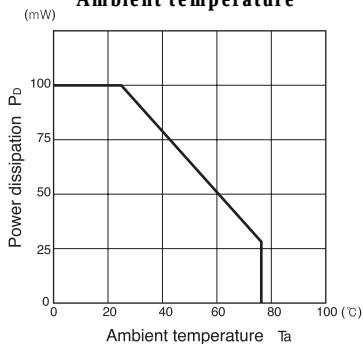
(Ta=25)

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit.
Operating supply voltage range	V _{CC}		4.5		5.5	V
Low level output voltage	V _{OL}	V _{CC} = 5V, I _{OL} = 16mA, (Shading)			0.4	V
High level output voltage	V _{OH}	V _{CC} = 5V, R _L = 10k Ω , (Non- shading)	4.5			V
Current consumption	I _{CC}	V _{CC} = 5V			35	mA

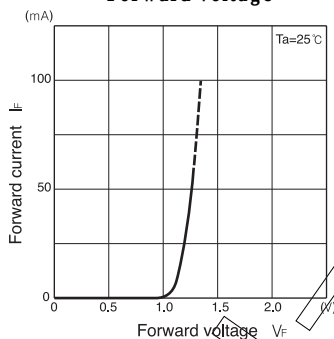
Photointerrupters(Actuator type)

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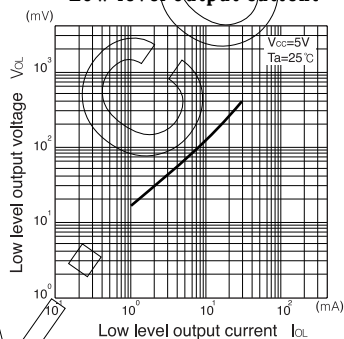
Power dissipation Vs. Ambient temperature



Forward current Vs. Forward voltage



Low level output voltage Vs. Low level output current



Low level output voltage Vs. Ambient temperature

