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Small Package Reflective Photo-interrupter Series ON2170/2270,CNB1001/1002/2001,CNB2003

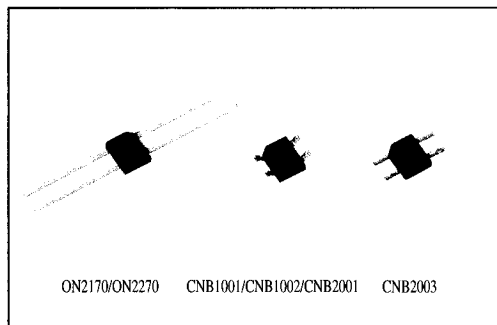
■ Features

- Miniature and thin type:2.7×3.4mm(Height 1.5mm)
- Plastic resin to cut-off visible light is used
- Easy interface to control circuit
 - Si phototransistor type-
 - ...ON2170/CNB1001/CNB1002
 - Si darlington phototransistor type
 - ...ON2270/CNB2001/CNB2003

■ Applications

- VCR, Audio Cassette....Detection of reel rotation
- Camera....Detection of Film
- FAX....Detection of position and paper
- Computer peripheral devices
(CD-ROM, MO, PD)....Detection of pick-up

■ Package photograph



■ Major Characteristics(Ta=25°C)

Part No.	Best Suited Detective Distance (mm)	Electrical-Optical Characteristics						
		I _C (mA)			I _D (μA) max	t _r (μs) typ	t _r (μs) typ	V _{CE} (sat) (V) max
		I _F (mA)	V _{CC} (V)	min				
ON2170	0.7 to 1.0	10	5	0.09	0.2	20		0.4
ON2270	0.7 to 1.0	2	5	0.46	2.0	150		1.5
CNB1001/1002	0.7 to 1.0	4	2	0.023	0.1	30	40	0.4
CNB2001	0.7 to 1.0	4	2	0.52	5.0	120	115	1.2
CNB2003	0.7 to 1.0	4	2	0.52	5.0	120	115	1.2

† The products and specifications are subject to change without any notice. Please ask for the latest Product Standards to guarantee the satisfaction of your product requirements.

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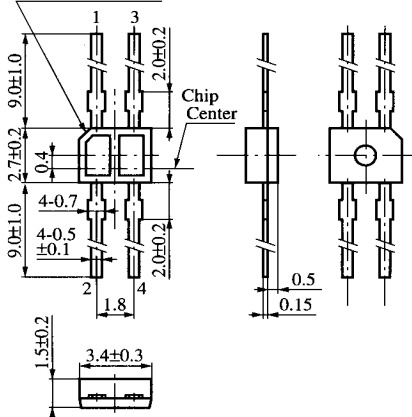
<http://www.mec.panasonic.co.jp>

D00321AE

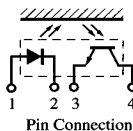
New publication, effective from May. 6 1998

ON2170/ON2270

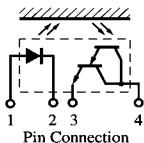
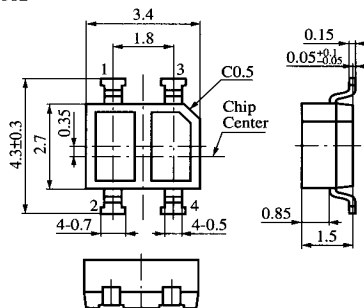
Mark for Indicating
Anode Side
C0.5



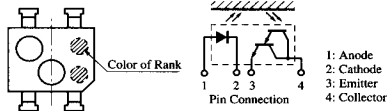
ON2170



ON2270

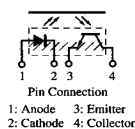
CNB1001/CNB2001
CNB1002

CNB2001

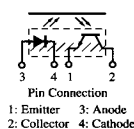


(Note) Tolerance unless otherwise specified is ± 0.2

CNB1001

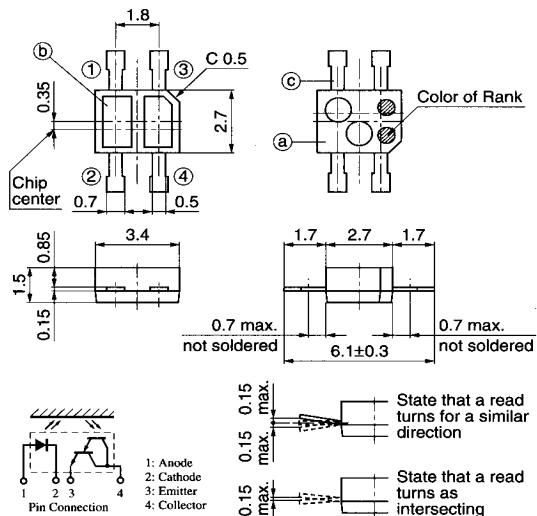


CNB1002



(Note) Tolerance unless otherwise specified is ± 0.2

CNB2003



(Note) Tolerance unless otherwise specified is ± 0.2