

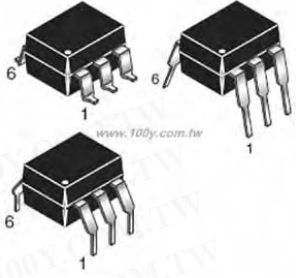


# OPTOELECTRONICS & INDICATORS

the Most Recent Electronic Catalogue 2007

## Transistor Output Optoisolators

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

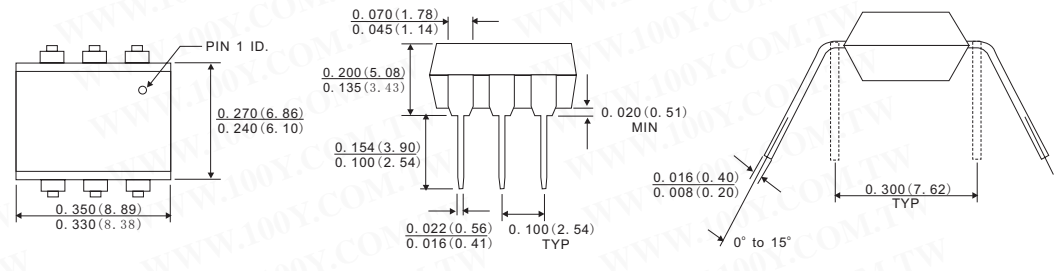
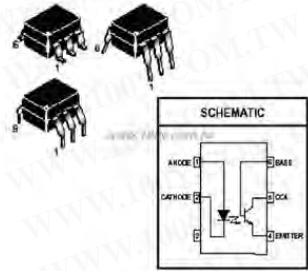


### FEATURES

- Industry first LSTTL to TTL and LSTTL to CMOS complete logic-to-logic optocoupler
- Incorporates LED drive circuitry—use as logic gate
- Very high speed
- Choice of buffer or inverter
- Choice of TTL or CMOS compatible output up to 15 volts
- Choice of 10 TTL loads, fan-in 1 LSTTL load
- Fan-out of 10 TTL loads, fan-in 1 LSTTL load
- Internal noise shield—very high CMR of  $\pm 15\text{kV}/\mu\text{S}$
- UL recognized (File #E90700)
- Same noise immunity as LSTTL/TTL



Part No.	Product No.	Manufacturer	Description
35388	740L6011	Fairchild	HIGH-SPEED LOGIC-TO-LOGIC OPTOCOUPLEDERS



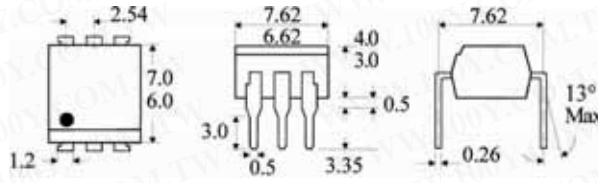
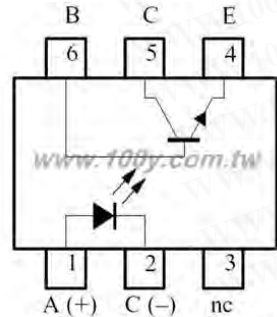
### FEATURES

- High output/input DC current transfer ratio
- Low saturation voltage
- UL recognized (File # E90700)
- VDE recognized (File #94766) - Ordering option '300' (e.g. CNX35U.300)

### APPLICATIONS

- Power supply regulators
- Digital logic inputs
- Microprocessor inputs
- Appliance sensor systems
- Industrial controls

Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	Detector (Vceo)	Detector Iceo	CTR(%)	Isolation(Vrms)	Pins/Packing
32912	CNX35	VARTA	6-PIN PHOTOTRANSISTOR OPTOCOUPLEDERS	1.15V	100 mA	30V	50nA	40~160%	5,300 Vrms	6P/DIP
32914	CNX36	VARTA	6-PIN PHOTOTRANSISTOR OPTOCOUPLEDERS	1.15V	100 mA	30V	50nA	80~200%	5,300 Vrms	6P/DIP



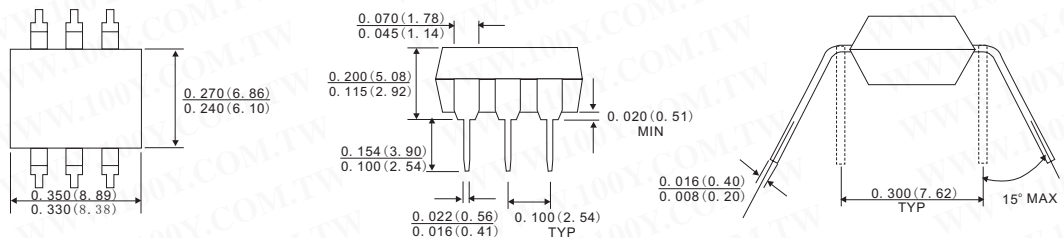
### FEATURES

- 10mm lead spread—add G after part no. Surface mount—add SM after part no. Tape & reel—add SMT & R after part no.
- High  $BV_{CEO}$  (70V min)
- High isolation voltage (5.3kV<sub>RMS</sub>, 7.5KV<sub>PK</sub>)
- All electrical parameters 100% tested
- Custom electrical selections available

### APPLICATIONS

- DC motor controllers
- Industrial systems controllers
- Measuring instruments
- Signal transmission between systems of different potentials and impedances

Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	Detector (Vceo)	Detector Iceo	CTR(%)	Isolation(Vrms)	Pins/Packing
32919	CNY17-1X	ISOCOM	Optically coupled isolator phototransistor output	1.65 V	60mA	70V	50 nA	40~80%	5300Vrms	6P/DIP
22571	CNY17-2	Fairchild	Optocoupler with Phototransistor Output	1.6V	60mA	32V	10~200nA	63~125%	3.75kV	



### FEATURES

- High isolation voltage 5300 VAC RMS-1 minute, 7500VAC PEAK-1 minute
- High  $BV_{CEO}$  minimum 70 volts
- Maximum switching time in saturation specified
- Underwriter laboratory (UL) recognized file #E90700

### APPLICATIONS

- Power supply regulators
- Digital logic inputs
- Microprocessor inputs
- Appliance sensor systems
- Industrial controls

Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	Detector (Vceo)	Detector Iceo	CTR(%)	Isolation(Vrms)	Pins/Packing
32075	CNY17-2.300	Fairchild	TRANS OUTPUT VDE	1.65V	60mA	70V	60mA	63~125%	5300Vdc	6P/DIP
8034	CNY17-2.300	QTC	TRANS OUTPUT VDE	1.65V	60mA	70V	60mA	63~125%	5300Vdc	6P/DIP
8033	CNY17-3	MOTOROLA	NPN phototransistor	1.45V	60mA	70V	50mA	100~200%	5300Vdc	6Pins/DIP



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