

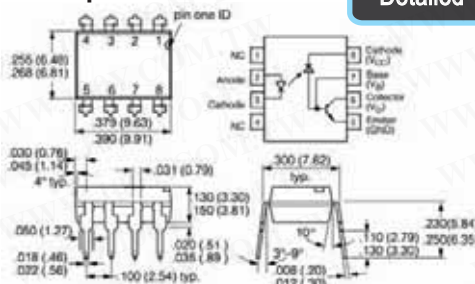


# OPTOELECTRONICS & INDICATORS

the Most Recent Electronic Catalogue 2007

## Transistor Output Optoisolators

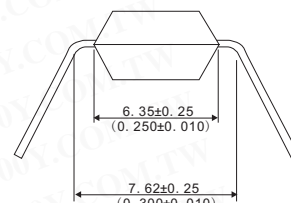
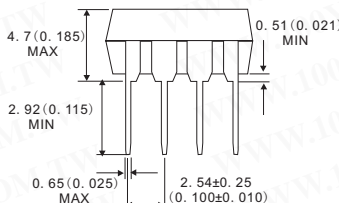
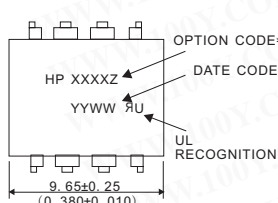
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



### FEATURES

- Isolation Test voltage: 5300V<sub>RMS</sub>
- TTL Compatible
- High bit rates: 1.0 Mbit/s
- High common-Mode interference immunity
- Bandwidth 2.0 Mhz
- Open-collector output
- External base wiring possible
- Field-effect stable by TRIOS\*
- Underwriters Lab file #E52744

Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	Detector (V <sub>ceo</sub> )	Detector I <sub>ceo</sub>	CTR(%)	Isolation(V <sub>rms</sub> )	Pins/Packing
4142	6N135	QTC	1Mbits/S Middle Speed Optoisolators-1MBD TTL ISOLATOR	1.5	25mA	15	16mA	18%	2500Vrms	8P/DIP



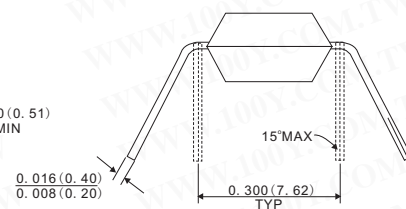
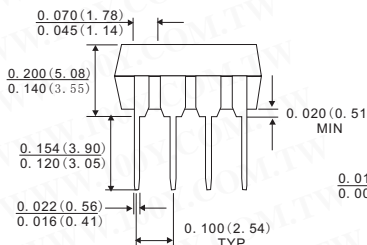
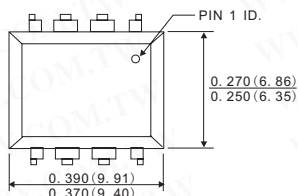
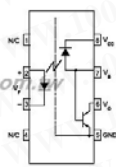
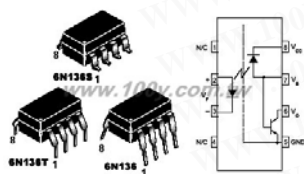
### FEATURES

- 15kV/μs Minimum common mode transient Immunity at V<sub>CM</sub>=1500V (4503/0453)
- High speed: 1Mb/s
- TTL Compatible
- Available in 8-Pin DIP, SO-8, Widebody packages
- Open collector output
- Guaranteed performance from temperature: 0°C to 70°C

### APPLICATIONS

- High voltage insulation
- Video signal Isolation
- Power transistor isolation in motor drives
- Line receivers
- Feedback element in switched mode power supplies
- High speed logic ground isolation-TTL/TTL, TTL/CMOS, TTL/LSTTL
- Replaces pulse transformers
- Replaces slow Phototransistor isolators
- Analog signal ground isolation

Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	CTR(%)	Pins/Packing
28414	6N136	Agilent	Single Channel, High Speed Optocoupler	1.5V	25mA	19%	8P/DIP



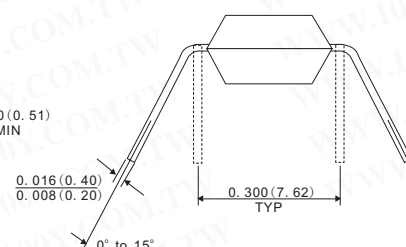
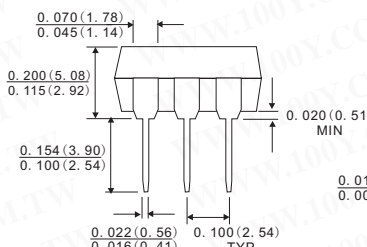
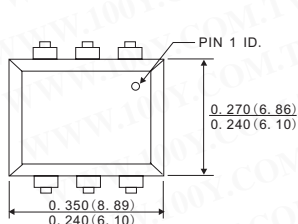
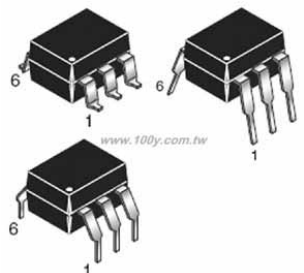
### FEATURES

- High speed-1 MBit/s
- Superior CMR-10kV/μs
- Dual-channel HCPL-2530/HCPL-2531
- Double working voltage-480V RMS
- CTR guaranteed 0-70°C
- U. L. recognized (File #E90700)

### APPLICATIONS

- Line receivers
- Pulse transformer replacement
- Output interface to CMOS-LSTTL-TTL
- Wide bandwidth analog coupling

Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	Detector (V <sub>ceo</sub> )	Detector I <sub>ceo</sub>	CTR(%)	Isolation(V <sub>rms</sub> )	Pins/Packing
19307	6N136	Fairchild	1Mbits/S Middle Speed Optoisolators-1MBD TTL ISOLATOR	1.45V	25mA	15	16mA	30%	2500Vrms	8P/DIP
4143	6N136	QTC	1Mbits/S Middle Speed Optoisolators-1MBD TTL ISOLATOR	1.5	25mA	15	16mA	24%	2500Vrms	8P/DIP
29503	6N136S	Fairchild	Single Channel, High Speed Optocoupler	1.45V	25mA	15	16mA	30%	2500Vrms	8P/SMD



### APPLICATIONS

- Transmission line interface-receiver and driver
- Excellent as bridged receiver in fast LAN highways
- Bus interface
- Logic family interface with ground loop noise elimination
- High speed AC/DC voltage sensing
- Driver for power semiconductor devices
- Level shifting
- Replaces fast pulse transformers



T E L : Taiwan: 886-3-5753170  
F A X : Taiwan: 886-3-5753172  
E-mail : Taiwan: [us\\_sale@100y.com.tw](mailto:us_sale@100y.com.tw)

Shenzhen: 86-755-83298787  
Shenzhen: 86-755-83640655  
Shenzhen: [100y@163.com](mailto:100y@163.com)

Shanghai: 86-21-54151736  
Shanghai: 86-21-64605107  
Shanghai: [100y-1@163.com](mailto:100y-1@163.com)