



## Optoelectronic Products

### Optoisolators/Optocouplers

Optoelectronic components sense the presence and intensity of light, the position of objects which break or reflect a light beam, and transmit electronic signals without electrical connections. These characteristics provide high speed and high reliability at low cost for a variety of useful functions, from automatic light-level control in copy machines, or sensing the right instant to fire an automobile's spark plug, to allowing delicate computer circuitry to control high-power machine tools.

#### Features

- Isolation Capability to 5000-volt
- Broadest line of PROELECTRON and JEDEC registered isolators
- High-output PROELECTRON and JEDEC registered IRED emitters and detectors
- Highest sensitivity thyristor and digital Isolators
- 6-Pin DIP isolators available in surface-mount form
- Custom interrupter modules can be provided using the discrete IRED emitters and photodetectors of your choice. The same devices that have established our industry-standard modules as the leaders in quality, versatility, and cost-effectiveness, can be put into a module of your design, completely assembled, tested and ready for insertion in your equipment.
-  Optoisolators are U.L. component recognized under File #E51868 and VDE-Approved to  Specification 0883/6.80 Certificate #35025

Type #	Description	Surge Isolation Voltage RMS Min	Current Transfer Ratio Min	BV <sub>CEO</sub> (Volts) Min	Typical (μs)		V <sub>CE</sub> (SAT) Max	Package*
					t <sub>r</sub>	t <sub>f</sub>		
CNX35	Photo Transistor Output	4000V	40-160%	30	2	2	.4	296
CNX36		4000V	80%	30	2	2	.4	296
CNY17I		3000V	40-80%	70	2	2	.3	296
CNY17II		3000V	63-125%	70	2	2	.3	296
CNY17III		3000V	100-200%	70	2	2	.3	296
CNY17IV		3000V	160-320%	70	2	2	.3	296
CNY32		4000V	20%	30	3	3	.4	297
CNY47		2000V	20-60%	30	2	2	.4	296
CNY47A		2000V	40%	30	2	2	.4	296
CNY51		4000V	100%	70	2	2	.4	296
CQY80		4000V	60%	30	2	2	.4	296
GEPS2001		1770V	30%	30	5	5	.3	296
GFH600I		2800V	63-125%	70	5	5	.3	296
GFH600II		2800V	100-200%	70	5	5	.3	296
GFH600III		2800V	160-320%	70	5	5	.3	296
GFH601I		2800V	40-80%	70	5	5	.4	296
GFH601II		2800V	63-125%	70	5	5	.4	296
GFH601III		2800V	100-200%	70	5	5	.4	296
GFH601IV		2800V	160-320%	70	5	5	.4	296
H11A1		2500V	50%	30	2	2	.4	296
H11A2		2500V	20%	30	2	2	.4	296
H11A3		2500V	20%	30	2	2	.4	296
H11A4		2500V	10%	30	2	2	.4	296
H11A5		2500V	30%	30	2	2	.4	296
H11A520		4000V	20%	30	2	2	.4	296
H11A550		4000V	50%	30	2	2	.4	296
H11A5100		4000V	100%	30	2	2	.4	296

\* See Stet

# Functional Diagram Included In This Section