VISHAY Optoelectronics

Optocouplers

Isolates sensitive electronics from high voltage spikes and noise

Product Types
- Phototransistor output
- Photodarlington output
- IGBT/MOSFET driver
- PhotoTRIAC output
- High speed analog
- High speed digital
- Linear output

Plant Location
- Krubong, Malaysia

Chip Supply
- Heilbronn, Germany

Infrared Receivers

Receives remote control signal in TVs and other consumer electronics. Long range light barriers.

– # 1 in the world

Product Types
- Automatic gain control (AGC) 1, 2, 3, 4
- Fixed gain
- Presence/proximity
- Learning function

Plant Location
- Krubong, Malaysia
- Manila, Philippines

Chip Supply
- Heilbronn, Germany

Photo Detectors

Detects visible, infrared and/or ultraviolet light

– Top 5 in the world
– Broadest PIN photodiode portfolio

Product Types
- Ambient light sensors
- PIN photodiodes
- Phototransistors

Manufactured In
- Krubong, Malaysia
- Manila, Philippines

Chip Supply
- Heilbronn, Germany

Infrared Emitters

Emits infrared light

– Top 3 in the world
– Leading 800-nm portfolio

Product Types
- 830 nm, 850 nm
- 870 nm, 890 nm
- 940 nm, 950 nm

Plant Location
- Manila, Philippines
- Krubong, Malaysia

Chip Supply
- Heilbronn, Germany

LEDs

Emits visible light

– Created TELUX™

Product Types and Colors
- Solid state lighting panels
- Lighting panel driver
- High bright white
- Amber
- Blue, blue green
- Green, pure green
- True green, red, orange
- Yellow, yellow green

Plant Location
- Manila, Philippines
- Krubong, Malaysia

Chip Supply
- Heilbronn, Germany

Reflective and Transmissive Sensors

Detects the presence, proximity, direction or velocity of an object

– Top 10 global supplier

Product Types
- Reflective
- Transmissive
  - Single channel
  - Dual channel
- Proximity

Plant Location
- Manila, Philippines
- Krubong, Malaysia

Chip Supply
- Heilbronn, Germany

IrDA Transceivers

High speed data transmission

– Top 3 global supplier

Product Types
- 115 kbit/s, 1 Mbit/s
- 4 Mbit/s, 16 Mbit/s
- Encoder/decoders

Plant Location
- Manila, Philippines
- Krubong, Malaysia

Chip Supply
- Heilbronn, Germany

Solid State Relays

Switches or cycles a load while isolating sensitive electronics from high voltage spikes

– Top 5 global supplier

Product Types
- Form A, form B
- Load voltage: 60 V to 1200 V
- Encoder/decoders

Plant Location
- Krubong, Malaysia

Chip Supply
- Heilbronn, Germany