## 2.5A Peak Output Current Driver Coupler（DIP8）

| CHARACTERISTIC | TOSHIBA Leading Innovation >>> TLP352 / TLP352F | | TOSHIBA Leading Innovation >>> TLP350H / TLP350HF | | AVAGO TECHNOLOGIES HCPL-3120 | | AVAGO TECHNOLOGIES HCPL-J312 | | AVAGO TECHNOLOGIES ACPL-3130 | | AVAGO TECHNOLOGIES ACPL-J313 | | AVAGO TECHNOLOGIES ACPL-T350 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Package | DIP8 | | DIP8 | | DIP8 | | DIP8 | | DIP8 | | DIP8 | | DIP8 | |
| Output Current IOPH/IOPL (max) | ±2.5 A | | ±2.5 A | | ±2.5 A | | ±2.5 A | | ±2.5 A | | ±2.5 A | | ±2.5 A | |
| Operating Temperature Range Topr | -40~125°C | | -40~125°C | | -40~100°C | | -40~100°C | | -40~100°C | | -40~100°C | | -40~100°C | |
| Supply Voltage VCC | 15~30 V | | 15~30 V | | 15~30 V | | 15~30 V | | 15~30 V | | 15~30 V | | 15~30 V | |
| Logic Low/High Supply Current ICCH/ICCL (max) | 3 mA | | 3 mA | | 5 mA | | 5 mA | | 5 mA | | 5 mA | | 4 mA | |
| Threshold Input Current IFLH (max) | 5 mA | | 5 mA | | 5 mA | | 5 mA | | 5 mA | | 5 mA | | 5 mA | |
| Propagation Delay Time | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. |
| tpLH/tpHL(max.) | 50 ns | 200 ns | 50 ns | 500 ns | 100 ns | 500 ns | 100 ns | 500 ns | 100 ns | 500 ns | 100 ns | 500 ns | 100 ns | 500 ns |
| Pulse Width Distortion | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. |
| \|tpHL-tpLH\| | - | 50 ns | - | 250 ns | - | 300 ns | - | 300 ns | - | 300 ns | - | 300 ns | - | 300 ns |
| Propagation Delay Difference Between | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. |
| Any Two Parts or Channels PDD (tpHL-tpLH) | -80 ns | 80 ns | - | - | -350 ns | 350 ns | -350 ns | 350 ns | -350 ns | 350 ns | -350 ns | 350 ns | -350 ns | 350 ns |
| Common Mode Transient Immunity CMH/CML (min.) (Ta=25°C) | ± 20 kV/ms | | ± 20 kV/ms | | ± 25 kV/μs | | ± 40 kV/μs | | ± 40 kV/μs | | ± 40 kV/μs | | ± 15 kV/μs | |
| Isolation Voltage BVs (min) (Ta=25°C) | 3750 Vrms | | 3750 Vrms | | 3750 Vrms | | 3750 Vrms | | 3750 Vrms | | 3750 Vrms | | 3750 Vrms | |