






0.4 A to 0.6 A Peak Output Current Driver Coupler (SO8 / SO6)

CHARACTERISTIC	 TOSHIBA Leading Innovation >>>		 TOSHIBA Leading Innovation >>>		 TOSHIBA Leading Innovation >>>		 AVAGO TECHNOLOGIES		 AVAGO TECHNOLOGIES	
	TLP2451A	TLP151A	TLP155E	HCPL-0314	HCPL-0302					
Package	SO8		SO6		SO6		SO8		SO8	
Output Current IOPH/IOPL (max)	±0.6 A		±0.6 A		±0.6 A		±0.6 A		±0.4 A	
Operating Temperature Range Topr	-40~125°C		-40~110°C		-40~100°C		-40~100°C		-40~100°C	
Supply Voltage VCC	10~30 V		10~30 V		10~30 V		10~30 V		10~30 V	
Logic Low/High Supply Current ICCH/ICCL (max)	2 mA		2 mA		3 mA		3 mA		3 mA	
Threshold Input Current IFLH (max)	5 mA		5 mA		7.5 mA		7 mA		6 mA	
Propagation Delay Time tpLH/tpHL(max.)	Min. 30 ns	Max. 500 ns	Min. 30 ns	Max. 500 ns	Min. -	Max. 200 ns	Min. 100 ns	Max. 700 ns	Min. 100 ns	Max. 700 ns
Pulse Width Distortion tpHL-tpLH	Min. -	Max. 350 ns	Min. -	Max. 350 ns	Min. -	Max. 50 ns	Min. -	Max. -	Min. -	Max. -
Propagation Delay Difference Between Any Two Parts or Channels PDD (tpHL-tpLH)	Min. -	Max. -	Min. -	Max. -	Min. -85 ns	Max. 85 ns	Min. -500 ns	Max. 500 ns	Min. -500 ns	Max. 500 ns
Common Mode Transient Immunity CMH/CML (min.) (Ta=25°C)	± 20 kV/ms		± 20 kV/ms		± 20 kV/ms		± 25 kV/μs		± 10 kV/μs	
Isolation Voltage BVs (min) (Ta=25°C)	3750 Vrms		3750 Vrms		3750 Vrms		3750 Vrms		5000 Vrms	