

**0.4 A to 2.5A Peak Output Current Driver Coupler (SDIP6)**

CHARACTERISTIC	TOSHIBA Leading Innovation >>>		TOSHIBA Leading Innovation >>>		TOSHIBA Leading Innovation >>>		TOSHIBA Leading Innovation >>>		TOSHIBA Leading Innovation >>>		AVAGO TECHNOLOGIES		AVAGO TECHNOLOGIES		AVAGO TECHNOLOGIES		AVAGO TECHNOLOGIES	
	TLP705A / TLP705AF		TLP701A / TLP701AF		TLP701H / TLP701HF		TLP700A / TLP700AF		TLP700H / TLP700HF		ACPL-P302		ACPL-W302		ACPL-P302		ACPL-W302	
Package	SDIP6 / SDIP6 (Wide type)		SDIP6 / SDIP6 (Wide type)		SDIP6 / SDIP6 (Wide type)		SDIP6 / SDIP6 (Wide type)		SDIP6 / SDIP6 (Wide type)		SDIP6		SDIP6 (Wide type)		SDIP6		SDIP6 (Wide type)	
Output Current IOPH/IOPL (max)	±0.6 A		±0.6 A		±0.6 A		±2.5 A		±2.5 A		±0.4 A		±0.4 A		±0.6 A		±0.6 A	
Operating Temperature Range Topr	-40~100°C		-40~100°C		-40~125°C		-40~110°C		-40~125°C		-40~100°C		-40~100°C		-40~100°C		-40~100°C	
Supply Voltage VCC	10~30 V		10~30 V		10~30 V		15~30 V		15~30 V		10~30 V		10~30 V		10~30 V		10~30 V	
Logic Low/High Supply Current ICCH/ICCL (max)	3 mA		2 mA		2 mA		3 mA		3 mA		3 mA		3 mA		3 mA		3 mA	
Threshold Input Current IFLH (max)	7.5 mA		5 mA		5 mA		5 mA		5 mA		6 mA		6 mA		7 mA		7 mA	
Propagation Delay Time tpLH/tpHL(max.)	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
	-	200 ns	30 ns	500 ns	30 ns	700 ns	50 ns	200 ns	50 ns	500 ns	100 ns	700 ns	100 ns	700 ns	100 ns	700 ns	100 ns	700 ns
Pulse Width Distortion  tpHL-tpLH	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
	-	50 ns	-	350 ns	-	500 ns	-	50 ns	-	250 ns	-	-	-	-	-	-	-	-
Propagation Delay Difference Between Any Two Parts or Channels PDD (tpHL-tpLH)	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
	-85 ns	85 ns	-	-	-	-	-80 ns	80 ns	-	-	-500 ns	500 ns	-500 ns	500 ns	-500 ns	500 ns	-500 ns	500 ns
Common Mode Transient Immunity CMH/CML (min.) (Ta=25°C)	± 20 kV/ms		± 20 kV/ms		± 20 kV/ms		± 20 kV/ms		± 20 kV/ms		± 10 kV/μs		± 10 kV/μs		± 10 kV/μs		± 10 kV/μs	
Isolation Voltage BVs (min) (Ta=25°C)	5000 Vrms		5000 Vrms		5000 Vrms		5000 Vrms		5000 Vrms		3750 Vrms		5000 Vrms		3750 Vrms		5000 Vrms	