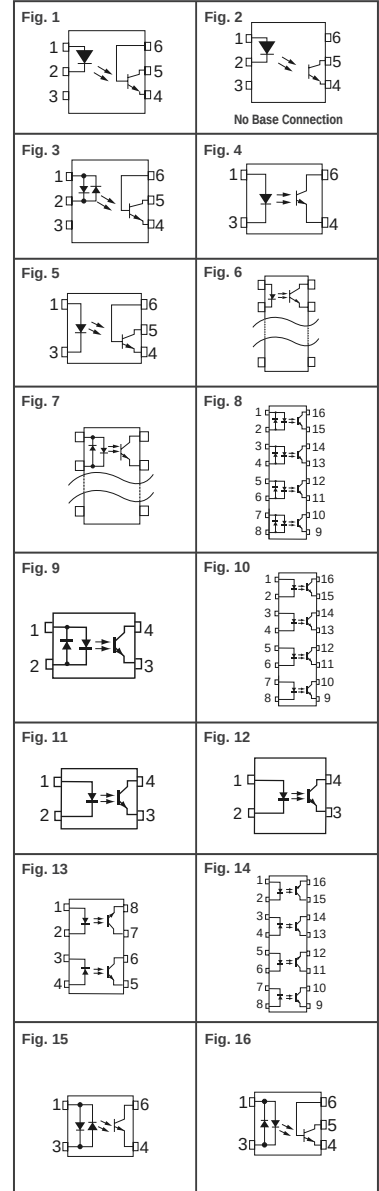


TOSHIBA Transistor Output Optoisolators

Fig.	Pkg.	Current Transfer Ratio				Collector Breakdown V(BR)	Isolation Voltage (Vrms)	Digi-Key Part No.	Price Each			Digi-Key Part No.	Tape & Reel	
		Min. (%)	Max. (%)	@IF (ma)	VCE (V)				1	10	100		Size	Pricing
1	Dip	100	1200	1	0.5	55	5000	TLP331-ND	1.40	1.17	.94			
	Dip	50	600	5	5	55	5000	TLP631-ND	.82	.68	.55			
	Dip	100	600	5	5	55	5000	TLP631GB-ND	.82	.68	.55			
	Dip	50	600	5	5	80	4000	TLP731D4-GR-ND*	.86	.72	.57			
	Dip	20	—	10	10	30	2500	4N25ASHORT-ND	.78	.59	.44			
	Dip	20	—	10	10	30	2500	4N25SHORT-ND	.70	.53	.40			
	Dip	20	100	10	10	30	2500	4N26SHORT-ND	.78	.59	.44			
	Dip	100	—	10	10	30	2500	4N35SHORT-ND	.69	.52	.39			
	Dip	100	—	10	10	30	2500	4N36SHORT-ND	.64	.49	.37			
	Dip	20	100	10	10	30	2500	4N37SHORT-ND	.64	.49	.37			
2	Dip	10	—	10	10	80	2500	4N38SHORT-ND	.64	.49	.37			
	Dip	100	1200	1	0.5	55	5000	TLP332-ND	1.40	1.17	.94			
	Dip	50	600	5	5	55	5000	TLP632-ND	1.07	.89	.71			
	Dip	50	600	5	5	80	4000	TLP732D4-GR-LF2-ND	1.14	.95	.76			
3	Dip	100	600	5	0.5	55	5000	TLP630GB-TAIE-ND	.87	.73	.58			
	Dip	50	600	±5	5	55	5000	TLP630TAIE-ND	1.20	1.01	.81			
4	SMT	100	1200	1	0.5	80	3750	TLP124-ND	.77	.65	.52	TLP124TR-ND TLP124BVTR-ND TLP180TR-ND TLP181BLTR-ND	3,000	364.00/M
	SMT	200	1200	1	0.5	80	3750	TLP124BV-ND	.78	.65	.52		3,000	390.00/M
	SMT	50	600	5	5	80	3750	TLP180CT-ND†	.78	.65	.52		3,000	338.00/M
	SMT	100	600	5	5	80	3750	TLP180GB-ND	.75	.63	.50			
	SMT	200	600	5	5	80	3750	TLP181BLCT-ND†	.72	.54	.41		3,000	234.00/M
	SMT	50	600	5	5	80	3750	TLP181CT-ND†	.72	.54	.41		3,000	234.00/M
	SMT	50	600	5	5	80	3750	TLP181-ND	.92	.70	.52			
	SMT	100	600	5	5	80	3750	TLP181GB-ND	.92	.70	.52			
	SMT	100	600	5	5	80	3750	TLP181GBCT-ND†	.72	.54	.41		3,000	234.00/M
	SMT	100	300	5	5	80	3750	TLP181GRCT-ND†	.72	.54	.41		3,000	234.00/M
5	SMT	50	150	5	5	80	3750	TLP181YCT-ND†	.72	.54	.41		3,000	234.00/M
	SMT	50	600	5	5	80	3750	TLP131-ND	.90	.76	.61			
	SMT	100	600	5	5	80	3750	TLP131GB-ND	1.00	.84	.67			
	SMT	100	600	5	5	80	3750	TLP131GBCT-ND†	1.13	.94	.76		3,000	488.80/M
	SMT	100	1200	1	0.5	80	3750	TLP137-ND	.87	.73	.58			
	Dip	50	600	5	—	55	5000	TLP621-ND	.69	.52	.39			
	Dip	200	600	5	—	55	5000	TLP621BLT-ND	.86	.65	.49			
	Dip	50	600	5	5	55	5000	TLP621D4-TPICT-ND†	.87	.73	.58		1,000	385.70
	Dip	50	150	5	5	55	5000	TLP621D4-Y-ND*	.84	.70	.56			
	Dip	50	150	5	5	55	5000	TLP621D4-Y-LF2-ND*	.84	.70	.56			
6	Dip	100	600	5	5	55	5000	TLP621D4-Y-LF2T-ND*	.78	.65	.52			
	Dip	100	600	5	—	55	5000	TLP621GBT-ND	.69	.52	.39			
	Dip	100	300	5	—	55	5000	TLP621GRT-ND	.82	.62	.46			
	Dip	50	600	5	—	55	5000	TLP621-2-ND	1.38	1.16	.93			
	Dip	100	600	5	—	55	5000	TLP621-2GB-ND	1.38	1.16	.93			
	Dip	50	600	5	—	55	5000	TLP621-4-ND	2.37	1.90	1.42			
	Dip	100	600	5	—	55	5000	TLP621-4GB-ND	2.37	1.90	1.42			
	Dip	100	1200	1	—	55	5000	TLP624-ND	.81	.68	.54			
	Dip	100	1200	1	—	55	5000	TLP624-2-ND	1.35	1.08	.81			
	Dip	100	1200	1	—	55	5000	TLP624-4-ND	2.42	1.94	1.51			
7	Dip	50	600	±5	—	55	5000	TLP620-ND	.95	.72	.54			
	Dip	100	600	±5	—	55	5000	TLP620GB-ND	.95	.72	.54			
	Dip	100	300	±5	—	55	5000	TLP620GR-ND	1.04	.78	.59			
	Dip	50	600	±5	—	55	5000	TLP620-2-ND	1.42	1.19	.95			
	Dip	100	600	±5	—	55	5000	TLP620-2GB-ND	1.46	1.22	.98			
	Dip	50	600	±5	—	55	5000	TLP620-4-ND	2.32	1.86	1.39			
	Dip	100	600	±5	—	55	5000	TLP620-4GB-ND	2.04	1.64	1.23			
	SMT	50	600	5	0.5	55	5000	TLP621LF1T-ND	.92	.69	.52			
	Dip	100	300	5	5	55	5000	TLP621-2GRT-ND	1.23	1.03	.82			
	Dip	100	1200	1	0.5	55	5000	TLP624LF1-ND	.75	.63	.50			
8	Dip	100	1200	±1	—	55	5000	TLP626-ND	1.16	.97	.78			
	Dip	200	1200	1	0.5	55	5000	TLP626BV-ND	1.40	1.12	.84			
	Dip	100	1200	±1	—	55	5000	TLP626-2-ND	2.55	2.04	1.53			
	Dip	100	1200	±1	—	55	5000	TLP626-4-ND	3.87	3.10	2.41			
	Dip	100	300	5	5	55	4000	TLP721D4-GRLT-ND*	.64	.48	.36			
	SMT	100	600	5	5	80	2500	TLP280-4GB-ND	2.41	1.93	1.51		2,500	1364.58/M
	SMT	100	600	5	5	80	2500	TLP280GB-ND	.77	.65	.52		2,500	391.30/M
	SMT	100	600	5	5	80	2500	TLP281-4GB-ND	2.26	1.81	1.36		2,500	1210.88/M
	SMT	100	600	5	5	80	2500	TLP281GB-ND	.90	.68	.51		2,500	349.70/M
	SMT	50	600	5	5	80	2500	TLP281GR-ND	.90	.68	.51			
9	Dip	100	300	5	5	80	5000	TLP421GR-ND	.72	.54	.41			
	Dip	50	600	5	5	55	2500	TLP504A-ND	1.42	1.19	.95			
	Dip	50	600	5	5	55	2500	TLP504AGB-ND	1.42	1.19	.95			
	Dip	50	600	5	5	55	2500	TLP504A-2-ND	2.37	1.90	1.42			
	Dip	50	600	5	5	55	2500	TLP504A-2GB-ND	2.37	1.90	1.42			
	SMT	100	1200	±1	0.5	80	3750	TLP126-ND	1.16	.97	.78			
	SMT	100	600	±5	5	80	3750	TLP130GB-ND	1.13	.94	.75			

* VDE Approved † Cut Tape Pricing



Darlington Transistor Output

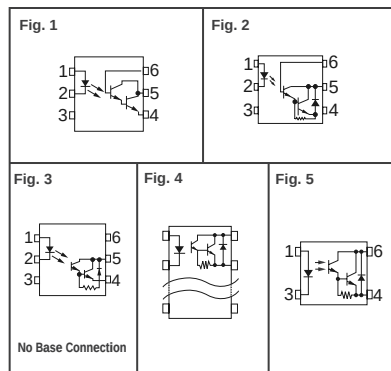


Fig.	Pkg.	Current Transfer Ratio				Saturation Voltage		Collector Breakdown V(BR)	Isolation Volt.	Digi-Key Part No.	Price Each			Digi-Key Part No.	Tape & Reel	
		Min. (%)	@IF (ma)	VCE (V)	Max. (%)	@IC (ma)	@IF (ma)				1	10	100		Size	Pricing
1	Dip	100	10	10	1	2	8	30	2500	4N29ASHORT-ND	.79	.60	.45			
	Dip	100	10	10	1	2	8	30	2500	4N29SHORT-ND	.82	.62	.47			
	Dip	500	10	10	1	2	8	30	2500	4N32SHORT-ND	.82	.62	.47			
	Dip	500	10	10	1	2	8	30	2500	4N33SHORT-ND	.82	.62	.47			
2	Dip	1000	1	1	1.2	100	10	300	5000	TLP371-ND	.87	.73	.58			
	SMT	1000	1	1	1.2	100	10	300	5000	TLP371TP1CT-ND†	.87	.73	.58		1,500	385.70/M
	Dip	1000	1	1	1.2	100	10	300	5000	TLP372-ND	1.47	1.23	.99			
	Dip	1000	1	1	1.2	100	10	300	5000	TLP627-ND	.94	.78	.63			
3	Dip	1000	1	1	1.2	100	10	300	5000	TLP627-2-ND	1.56	1.25	.94			
	Dip	1000	1	1	1.2	100	10	300	5000	TLP627-4-ND	2.46	1.97	1.53			
	SMT	1000	1	1	1.2	100	10	300	5000	TLP627TP1CT-ND†	.87	.73	.58		1,500	385.70/M
	SMT	1000	1	1	1.2	100	10	300	5000	TLP627TP1TCT-ND†	.81	.68	.54		1,000	359.10
4	Dip	1000	1	1	1.2	100	10	300	2500	TLP127-ND	1.11	.93	.75			
	SMT	1000	1	1	1.2	100	10	300	2500	TLP127CT-ND†	1.11	.93	.74		3,000	481.00/M

† Cut Tape Pricing

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