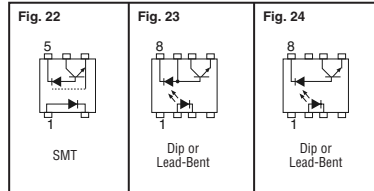


**High Linearity Diode Output Optoisolator (Surface Mount)**



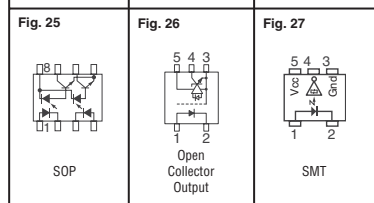
Fig.	Isolation Voltage	Transfer Gain (K2/K1)	Transfer Gain Linearity Δ (K2/K1) (for Vcc=15V, Ii=2-10mA)	Digi-Key Part No.	1	10	100	Price Each
21	1500	.733-1.072	<1%	PS8741-A-ND	2.98	2.68	2.29	



**High Speed Analog Output Optoisolators**



Fig.	Isolation Voltage	CTR	Vcc (Max.)	Typical Propagation Delay (µs)	Package	Digi-Key Part No.	Price Each			Digi-Key Part No.	Tape and Reel	
							1	10	100		Qty.	Pricing
22	2500	20% - 35%	35	0.5 / 0.6	SOP	PS8101-K-A-ND	1.74	1.46	1.23	—	—	—
	2500	10% - 30%	15	1 / 2	SOP	PS8103-ND	1.42	1.19	1.00	PS8103TR-ND	2,500	696.96/M
23	5000	>15%	35	0.5 / 0.3	SMT	PS8601L-A-ND	1.50	1.26	1.06	—	—	—
	5000	>15%	35	0.5 / 0.3	DIP	PS8602-A-ND	1.79	1.50	1.27	—	—	—
24	2500	15% - 35%	35	0.3 / 0.6	SSOP	PS8802-1CT-ND\$	1.44	1.20	1.02	PS8802-1TR-ND	1,500	718.74/M
	2500	20% - 40%	3.3	0.3/0.5	SSOP	PS8821-1-A-ND	1.68	1.40	1.19	—	—	—
25	2500	15% - 35%	35	0.3 / 0.6	SSOP	PS8802-2CT-ND\$	2.24	2.01	1.72	PS8802-2TR-ND	1,500	1160.88/M
	2500	20% - 40%	3.3	0.3/0.5	SSOP	PS8821-2-A-ND	2.87	2.59	2.20	—	—	—

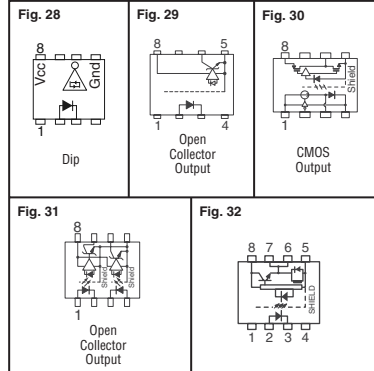


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**High Speed Digital Photocouplers**



Fig.	Output Type	Isolation Voltage	Prop. Delay tPHL tPLH	Package	Digi-Key Part No.	Price Each			Digi-Key Part No.	Tape and Reel	
						1	10	100		Qty.	Pricing
26	OC	2500	250ns 520ns	SOP	PS9113-ND	2.60	2.34	1.99	PS9113TR-ND	2,500	1330.76/M
	OC	2500	54ns 51ns	SOP	PS9114CT-ND\$	2.64	2.37	2.02	—	—	—
	OC	2500	54ns 51ns	SOP	PS9114-ND	2.61	2.36	2.01	—	—	—
	OC	2500	40ns 45ns	SMT	PS9121-ND	2.13	1.92	1.63	PS9121TR-ND	2,500	1075.94/M
27	TP	2500	33ns 40ns	SOP	PS9115-ND	2.61	2.36	2.01	PS9115TR-ND	2,500	1340.20/M
28	OC	2500	54ns 51ns	SSOP	PS9814-2CT-ND\$	2.34	2.11	1.80	PS9814-2TR-ND	1,500	1217.50/M
	OC	3750	61ns 51ns	SMT	PS9614L-ND	1.82	1.64	1.40	PS9614L-TR-ND	1,000	940.97
29	OC	2500	40ns 45ns	SSOP	PS9817-1-ND	1.76	1.47	1.11	PS9817-1TR-ND	1,500	742.78/M
	OC	2500	54ns 51ns	SSOP	PS9814-1CT-ND\$	1.43	1.29	1.09	—	—	—
30	OC	2500	40ns 45ns	SSOP	PS9817-2-ND	2.29	2.06	1.76	—	—	—
	OC	2500	45ns 50ns	SSOP	PS9821-2-ND	2.50	2.26	1.93	PS9821-2TR-ND	1,500	1651.66/M
31	OC	5000	300ns 300ns	SMD	PS9552L2-AX-ND	2.40	2.16	1.84	—	—	—
	TP	5000	300ns 300ns	SMD	PS9552L3-AX-ND	2.40	2.16	1.84	—	—	—



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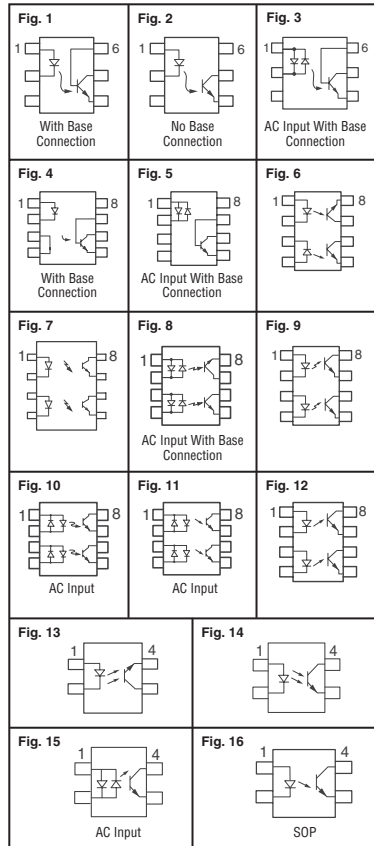
**VISHAY Semiconductor Optocouplers**



**Phototransistor Output Optocouplers**



Fig.	Isolation Voltage	CTR (Typical)	VCEO (Max.)	Package	Digi-Key Part No.	Price Each			Digi-Key Part No.	Tape and Reel		Vishay Part No.
						1	10	100		Qty.	Pricing	
1	5300	>20%	70	6-DIP	751-1259-5-ND	.50	.37	.30	—	—	—	4N38
	5300	40 - 80%	70	6-DIP	751-1265-5-ND	.54	.40	.32	—	—	—	CNY17-1
	5300	63 - 125%	70	6-DIP	751-1266-5-ND	.54	.40	.32	—	—	—	CNY17-2
	5300	100 - 200%	70	6-DIP	751-1267-5-ND	.54	.40	.32	—	—	—	CNY17-3
	5300	160 - 320%	70	6-DIP	751-1268-5-ND	.54	.40	.32	—	—	—	CNY17-4
	5300	>50%	70	6-DIP	751-1273-5-ND	.60	.47	.37	—	—	—	H11A1
	5300	>20%	70	6-DIP	751-1274-5-ND	.60	.47	.37	—	—	—	H11A2
	5300	>20%	70	6-DIP	751-1275-5-ND	.60	.47	.37	—	—	—	H11A3
	5300	>20%	300	6-DIP	751-1278-5-ND	1.26	1.09	.84	—	—	—	H11D1
	5300	>20%	200	6-DIP	751-1279-5-ND	1.03	.83	.69	—	—	—	H11D3
2	5300	>20%	50	6-DIP	751-1280-5-ND	.80	.63	.49	—	—	—	IL1
	5300	>100%	70	6-DIP	751-1281-5-ND	.73	.63	.49	—	—	—	IL2
	5300	50 - 80%	30	6-DIP	751-1337-5-ND	.50	.40	.31	—	—	—	MOC8101
	5300	73 - 117%	30	6-DIP	751-1338-5-ND	.50	.40	.31	—	—	—	MOC8102
	5300	108 - 173%	30	6-DIP	751-1339-5-ND	.50	.40	.31	—	—	—	MOC8103
	5300	160 - 256%	30	6-DIP	751-1340-5-ND	.50	.40	.31	—	—	—	MOC8104
	5300	40 - 80%	70	6-DIP	751-1269-5-ND	.54	.40	.32	—	—	—	CNY17F-1
	5300	63 - 125%	70	6-DIP	751-1270-5-ND	.54	.40	.32	—	—	—	CNY17F-2
	5300	100 - 200%	70	6-DIP	751-1271-5-ND	.54	.40	.32	—	—	—	CNY17F-3
	5300	160 - 320%	70	6-DIP	751-1272-5-ND	.54	.40	.32	—	—	—	CNY17F-4
3	5300	>20%	30	6-DIP	751-1276-5-ND	.89	.72	.60	—	—	—	H11AA1
	5300	>20%	30	6-DIP	751-1290-5-ND	1.17	.94	.78	—	—	—	IL252
	4000	40 - 80%	70	8-SOIC	751-1282-1-ND\$	.77	.60	.52	751-1282-2-ND	2,000	238.86/M	IL205AT
4	4000	63 - 125%	70	8-SOIC	751-1283-1-ND\$	.77	.60	.52	751-1283-2-ND	2,000	238.86/M	IL206AT
	4000	100 - 200%	70	8-SOIC	751-1284-1-ND\$	.77	.60	.52	751-1284-2-ND	2,000	238.86/M	IL207AT
	4000	160 - 320%	70	8-SOIC	751-1285-1-ND\$	.77	.60	.52	751-1285-2-ND	2,000	238.86/M	IL208AT
	4000	>20%	70	8-SOIC	751-1286-1-ND\$	.77	.60	.52	751-1286-2-ND	2,000	238.86/M	IL211AT
	4000	>100%	70	8-SOIC	751-1287-1-ND\$	.77	.60	.52	751-1287-2-ND	2,000	238.86/M	IL213AT
	4000	>100%	30	8-SOIC	751-1288-1-ND\$	.80	.64	.54	751-1288-2-ND	2,000	250.91/M	IL217AT
	4000	>20%	30	8-SOIC	751-1291-1-ND\$	.96	.76	.65	751-1291-2-ND	2,000	300.89/M	IL256AT
	5300	>20%	30	8-DIP	751-1305-5-ND	.70	.61	.47	—	—	—	ILCT6
	5300	>20%	50	8-DIP	751-1306-5-ND	1.06	.85	.71	—	—	—	ILD1
	5300	>100%	70	8-DIP	751-1307-5-ND	1.11	.97	.75	—	—	—	ILD2
6	5300	>50%	70	8-DIP	751-1318-5-ND	1.40	1.10	.92	—	—	—	ILD5
	5300	35%	20	8-DIP	751-1326-5-ND	1.26	1.01	.84	—	—	—	ILD74
	5300	>20%	30	8-DIP	751-1336-5-ND	.91	.74	.62	—	—	—	MCT6
	4000	40 - 80%	70	8-SOIC	751-1308-1-ND\$	1.05	.84	.71	751-1308-2-ND	2,000	330.30/M	ILD205T
	4000	63 - 125%	70	8-SOIC	751-1309-1-ND\$	1.05	.84	.71	751-1309-2-ND	2,000	330.30/M	ILD206T
	4000	100 - 200%	70	8-SOIC	751-1310-1-ND\$	1.05	.84	.71	751-1310-2-ND	2,000	330.30/M	ILD207T
	4000	>20%	70	8-SOIC	751-1311-1-ND\$	1.05	.84	.71	751-1311-2-ND	2,000	330.30/M	ILD211T
	4000	>100%	70	8-SOIC	751-1312-1-ND\$	1.05	.84	.71	751-1312-2-ND	2,000	330.30/M	ILD213T
	4000	>100%	70	8-SOIC	751-1313-1-ND\$	1.12	.89	.76	751-1313-2-ND	2,000	350.88/M	ILD217T
	8	5300	>50%	30	8-DIP	751-1315-5-ND	2.25	1.77	1.48	—	—	—
5300		>100%	30	8-DIP	751-1316-5-ND	2.50	2.18	1.63	—	—	—	ILD252
5300		63 - 125%	70	8-DIP	751-1320-5-ND	1.26	1.01	.84	—	—	—	ILD615-2
9	5300	100 - 200%	70	8-DIP	751-1321-5-ND	1.25	1.00	.84	—	—	—	ILD615-3
	5300	160 - 320%	70	8-DIP	751-1322-5-ND	1.28	1.03	.86	—	—	—	ILD615-4



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(Continued)

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