

LITEON Optoisolators

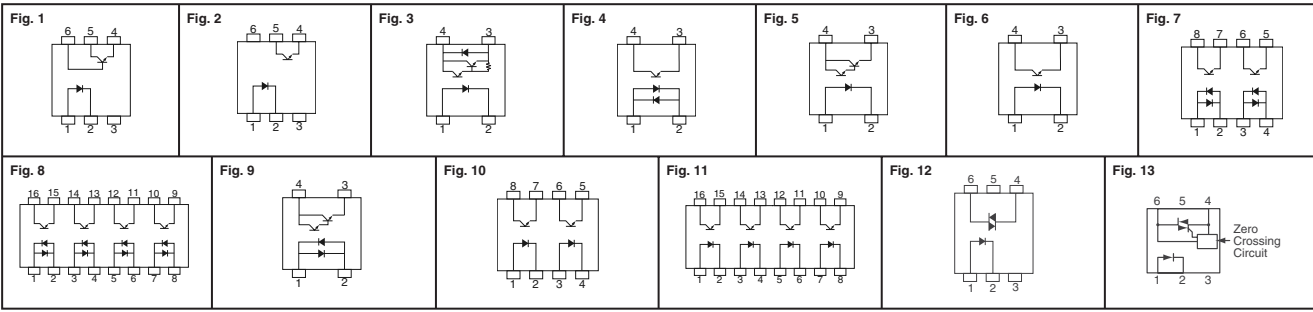


Fig.	Isolation Volt.	Current Transfer Ratio Min. Max.	Typ. VCEO (Max.)	t_{on}/t_{off} (µsec.)	Pkg. Type	Digi-Key Part No.	Pricing 1 10 100	Lite-On Part No.	
1	2500	20%	30	3.0/3.0	DIP	160-1300-5-ND	.23 1.76 13.23	4N25	
	2500	20%	30	3.0/3.0	SMT	160-1301-5-ND	.25 1.85 13.89	4N25S	
	1500	20%	30	3.0/3.0	DIP	160-1302-5-ND	.24 1.79 13.39	4N26	
	1500	20%	30	3.0/3.0	SMT	160-1303-5-ND	.25 1.85 13.89	4N26S	
	3550	100%	30	3.0/3.0	DIP	160-1304-5-ND	.23 1.76 13.23	4N35	
	3550	100%	30	3.0/3.0	SMT	160-1305-5-ND	.23 1.76 13.23	4N35S	
	1500	100%	30	3.0/3.0	DIP	160-1306-5-ND	.23 1.76 13.23	4N37	
	1500	100%	30	3.0/3.0	SMT	160-1307-5-ND	.25 1.85 13.89	4N37S	
	5000	40% 80%	70	5.0/5.0	DIP	160-1308-5-ND	.23 1.76 13.23	CNY17-1	
	5000	40% 80%	70	5.0/5.0	SMT	160-1309-5-ND	.25 1.85 13.89	CNY17-1S	
	5000	63% 125%	70	5.0/5.0	DIP	160-1310-5-ND	.32 2.40 17.97	CNY17-2	
	5000	63% 125%	70	5.0/5.0	SMT	160-1311-5-ND	.36 2.72 20.42	CNY17-2S	
	5000	100% 200%	70	5.0/5.0	DIP	160-1312-5-ND	.23 1.76 13.23	CNY17-3	
	5000	100% 200%	70	5.0/5.0	SMT	160-1313-5-ND	.25 1.85 13.89	CNY17-3S	
	5000	160% 320%	70	5.0/5.0	DIP	160-1314-5-ND	.23 1.76 13.23	CNY17-4	
5000	160% 320%	70	5.0/5.0	SMT	160-1315-5-ND	.25 1.85 13.89	CNY17-4S		
2	5000	40% 80%	70	5.0/5.0	DIP	160-1316-5-ND	.23 1.76 13.23	CNY17F-1	
	5000	40% 80%	70	5.0/5.0	SMT	160-1317-5-ND	.25 1.85 13.89	CNY17F-1S	
	5000	63% 125%	70	5.0/5.0	DIP	160-1318-5-ND	.23 1.76 13.23	CNY17F-2	
	5000	63% 125%	70	5.0/5.0	SMT	160-1319-5-ND	.25 1.85 13.89	CNY17F-2S	
	5000	100% 200%	70	5.0/5.0	DIP	160-1320-5-ND	.24 1.79 13.39	CNY17F-3	
	5000	100% 200%	70	5.0/5.0	SMT	160-1321-5-ND	.25 1.85 13.89	CNY17F-3S	
	5000	160% 320%	70	5.0/5.0	DIP	160-1322-5-ND	.23 1.76 13.23	CNY17F-4	
	5000	160% 320%	70	5.0/5.0	SMT	160-1323-5-ND	.25 1.85 13.89	CNY17F-4S	
	5000	20%	30	2.8/4.5	SMT	160-1327-5-ND	.25 1.85 13.89	H11A2S	
	5000	20%	300	5.0/5.0	DIP	160-1328-5-ND	.55 4.14 31.04	H11D1	
	5000	20%	300	5.0/5.0	SMT	160-1329-5-ND	.57 4.23 31.69	H11D1S	
	3	3750	1000%	300	100/20	SMT	160-1331-1-ND	.37 3.11 24.83	LTV-352T
		3750	1000%	300	100/20	SMT	160-1331-2-ND	139.67/750	LTV-352T
		3750	20% 400%	35	4.0/3.0	SMT	160-1333-1-ND	.22 1.82 14.52	LTV-354T
	4	3750	20% 400%	35	4.0/3.0	SMT	160-1333-2-ND	81.68/750	LTV-354T
3750		600% 7500%	35	60/53	SMT	160-1335-1-ND	.17 1.36 10.89	LTV-355T	
3750		600% 7500%	35	60/53	SMT	160-1335-2-ND	70.24/750	LTV-355T	
6	3750	50% 600%	80	4.0/3.0	SMT	160-1337-1-ND	.17 1.36 10.89	LTV-356T	
	3750	50% 600%	80	4.0/3.0	SMT	160-1337-2-ND	61.26/750	LTV-356T	
	3750	50% 600%	35	4.0/3.0	SMT	160-1339-1-ND	.17 1.36 10.89	LTV-357T	
2	5000	40% 320%	70	2.0/2.0	DIP	160-1340-5-ND	.23 1.76 13.23	LTV-702F	
	5000	40% 320%	70	2.0/2.0	SMT	160-1341-5-ND	.25 1.85 13.89	LTV-702FS	
	1	5000	40% 320%	70	2.0/2.0	DIP	160-1342-5-ND	.23 1.76 13.23	LTV-702V
4	5000	20% 300%	35	4.0/3.0	DIP	160-1344-5-ND	.25 1.92 14.37	LTV-814	
	5000	20% 300%	35	4.0/3.0	SMT	160-1345-5-ND	.26 1.98 14.87	LTV-814S	
7	5000	20% 300%	35	4.0/3.0	DIP	160-1346-5-ND	.51 3.81 28.59	LTV-824	

Fig.	Isolation Volt.	Current Transfer Ratio Min. Max.	Typ. VCEO (Max.)	t_{on}/t_{off} (µsec.)	Pkg. Type	Digi-Key Part No.	Pricing 1 10 100	Lite-On Part No.
7	5000	20% 300%	35	4.0/3.0	SMT	160-1347-5-ND	.52 3.90 29.24	LTV-824S
8	5000	20% 300%	35	4.0/3.0	DIP	160-1348-5-ND	1.02 7.62 57.17	LTV-844
	5000	20% 300%	35	4.0/3.0	SMT	160-1349-5-ND	1.03 7.71 57.83	LTV-844S
4	5000	20% 80%	35	4.0/3.0	DIP	160-1350-5-ND	.29 2.18 16.34	LTV-814H
	5000	20% 80%	35	4.0/3.0	SMT	160-1351-5-ND	.30 2.27 16.99	LTV-814HS
9	5000	600% 7500%	35	60/53	DIP	160-1356-5-ND	.46 3.44 25.81	LTV-8141
	5000	600% 7500%	35	60/53	SMT	160-1357-5-ND	.46 3.51 26.30	LTV-8141S
5	5000	600% 7500%	35	60/53	DIP	160-1358-5-ND	.23 1.72 12.91	LTV-815
	5000	600% 7500%	35	60/53	SMT	160-1359-5-ND	.24 1.81 13.56	LTV-815S
6	5000	50% 600%	80	4.0/3.0	DIP	160-1360-5-ND	.18 1.37 10.29	LTV-816
	5000	50% 600%	80	4.0/3.0	SMT	160-1361-5-ND	.19 1.44 10.78	LTV-816S
10	5000	50% 600%	80	4.0/3.0	DIP	160-1362-5-ND	.36 2.72 20.42	LTV-826
	5000	50% 600%	80	4.0/3.0	SMT	160-1363-5-ND	.38 2.81 21.08	LTV-826S
11	5000	50% 600%	80	4.0/3.0	DIP	160-1364-5-ND	.73 5.45 40.84	LTV-846
	5000	50% 600%	80	4.0/3.0	SMT	160-1365-5-ND	.74 5.53 41.49	LTV-846S
6	5000	50% 600%	35	4.0/3.0	DIP	160-1366-5-ND	.18 1.37 10.29	LTV-817
	5000	50% 600%	35	4.0/3.0	SMT	160-1367-5-ND	.19 1.44 10.78	LTV-817S
10	5000	50% 600%	35	4.0/3.0	DIP	160-1368-5-ND	.36 2.72 20.42	LTV-827
	5000	50% 600%	35	4.0/3.0	SMT	160-1369-5-ND	.38 2.81 21.08	LTV-827S
11	5000	50% 600%	35	4.0/3.0	DIP	160-1370-5-ND	.73 5.45 40.84	LTV-847
	5000	50% 600%	35	4.0/3.0	SMT	160-1371-5-ND	.74 5.53 41.49	LTV-847S

◆ RoHS Compliant † Cut Tape ‡ Tape and Reel

Triac Output Optoisolators

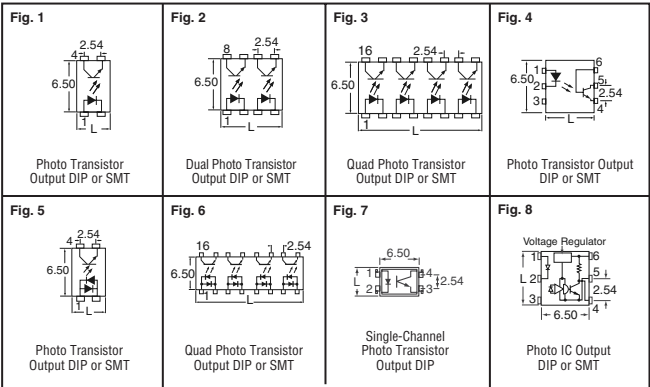


Fig.	Max. IF Isolation Voltage	Min. Trigger (mA)	Max. Blocking Voltage	IR (µA)	Package Type	Digi-Key Part No.	Price Each 1 10 100	Lite-On Part No.
12	5000	30	400V	10	DIP	160-1372-5-ND	.46 .35 .26	MOC3020
	5000	30	400V	10	SMT	160-1373-5-ND	.46 .36 .27	MOC3020S
	5000	15	400V	10	DIP	160-1374-5-ND	.46 .35 .26	MOC3021
	5000	15	400V	10	SMT	160-1375-5-ND	.46 .36 .27	MOC3021S
	5000	10	400V	10	DIP	160-1376-5-ND	.46 .35 .26	MOC3022
	5000	10	400V	10	SMT	160-1377-5-ND	.46 .36 .27	MOC3022S
13	5000	5	400V	10	DIP	160-1378-5-ND	.46 .35 .26	MOC3023
	5000	5	400V	10	SMT	160-1379-5-ND	.46 .36 .27	MOC3023S
	5000	5	600V	10	DIP	160-1722-5-ND	.36 .30 .24	MOC3063
13	5000	5	600V	10	SMT	160-1723-1-ND	.38 .32 .26	MOC3063S-TA1
	5000	5	600V	10	SMT	160-1723-2-ND	191.66/1,000	MOC3063S-TA1

† Cut Tape ‡ Tape and Reel

LUMEX Optolinks

Specifications: • Isolation Voltage: 5000 • VCEO (Max.): 60V • Typical tr/f: 5 µs/4 µs



Optoisolators with Photo-Transistor Output

Fig.	Current Transfer Ratio Min. Max.	Length L (mm)	Pkg.	Digi-Key Part No.	Price Each 1 10	Tape and Reel Pricing ‡	Lumex Part No.
1	60-600%	4.60	SMT	67-1613-1-ND	.37 .31	—	OC-PCT114/E-TR
2	60-600%	9.68	SMT	67-1614-1-ND	.76 .64	—	OC-PCT218/E-TR
3	60-600%	19.84	SMT	67-1618-5-ND	1.33 1.11	—	OC-PCT4116/E-TR
4	60-600%	7.30	DIP	67-1563-5-ND	.28 .24	—	OC-PCTB116/E
	60-600%	7.30	SMT	67-1615-1-ND	.28 .24	156.67/1,000	OC-PCTB116/E-TR
5	60-600%	4.60	DIP	67-1564-5-ND	.46 .39	—	OC-PCT124/A
	60-600%	4.60	SMT	67-1616-1-ND	.46 .39	—	OC-PCT124/A-TR
6	60-600%	19.84	DIP	67-1565-5-ND	2.10 1.75	—	OC-PCT4216/A
7	200-400%	4.60	DIP	67-2044-5-ND	.19 .16	—	OC-PCT114/C

Optoisolators with Photo-IC Output

Fig.	Isolation Voltage	Prop Delay t _{PHL} /t _{PLH} (µs)	Length L (mm)	Pkg.	Digi-Key Part No.	Price Each 1 10	Tape and Reel Pricing ‡	Lumex Part No.
8	5000	5/3	7.3	DIP	67-1566-5-ND	1.19 .99	—	OC-PCP116
	5000	5/3	7.3	SMT	67-1617-1-ND	1.19 .99	656.81	OC-PCP116-TR

◆ RoHS Compliant † Cut Tape ‡ For Tape and Reel part number, change 1-ND to 2-ND.

Free shipping on orders over £50! All prices are in British pound sterling and include duties.
 2210 (UK091) uk.digikey.com — FREEPHONE: 0-800-587-0991 • 0-800-904-7786 — FREEFAX: 0-800-587-0992 • 0-800-904-7783

Fig.	Iso- lation Volt.	Current Transfer Ratio - Typ. (%)			VCE0 (Max.)	Pkg. Type	Digi-Key Part No.	Price Each				
		Min.	Typ.	Max.				1	10	100		
16	2500	400	1100	—	70	SMD	6N139SDTR-ND	—	318.34	1.00	68	
	2500	400	—	7000	—	SOIC	FOD073LR1CT-ND	3.45	2.88	2.10	—	
	2500	400	—	7000	—	SOIC	FOD073LR1TR-ND	—	757.94	500	—	
	5000	50	—	100	70	SMD	FOD2743ASDVCT-ND	1.31	1.05	73	—	
	5000	50	—	100	70	SMD	FOD2743ASDVTR-ND	—	406.56	1.00	73	
17	5000	50	—	100	70	SMD	FOD2743BSDVCT-ND	95	76	53	—	
	5000	50	—	100	70	SMD	FOD2743BSDVTR-ND	—	294.76	1.00	51	
	5000	50	—	100	70	SMD	FOD2743CSDVCT-ND	91	74	51	—	
	5000	50	—	100	70	SMD	FOD2743CSDVTR-ND	—	284.59	1.00	—	
	5000	100	—	200	30	DIP	FOD2711TV-ND	58	44	33	—	
18	2500	100	—	200	30	SOIC	FOD2712R1VCT-ND	1.05	84	59	—	
	2500	100	—	200	30	SOIC	FOD2712R1VTR-ND	—	197.47	500	—	
	5000	100	—	200	30	SMD	FOD2741ASDVCT-ND	1.31	1.05	73	—	
	5000	100	—	200	30	SMD	FOD2741ASDVTR-ND	—	406.56	1.00	—	
	5000	100	—	200	30	SMD	FOD2741BSDVCT-ND	95	76	53	—	
	5000	100	—	200	30	SMD	FOD2741BSDVTR-ND	—	294.76	1.00	—	
	5000	100	—	200	30	SMD	FOD2741CSDVCT-ND	61	51	41	—	
	2500	100	140	200	70	SOIC	FOD2742AR1VCT-ND	1.15	92	64	—	
	2500	100	140	200	70	SOIC	FOD2742AR1VTR-ND	—	355.74	1.00	—	
	2500	100	140	200	70	SOIC	FOD2742BR1VCT-ND	89	71	50	—	
19	5000	1000	4000	15000	300	DIP	FOD852-ND	49	37	28	—	
	5000	1000	4000	15000	300	SMD	FOD852S-ND	49	37	28	—	
	5000	1000	4000	15000	300	SMD	FOD852SCT-ND	52	40	30	—	
	5000	1000	4000	15000	300	SMD	FOD852SDTR-ND	—	173.80	1.00	—	
	5000	1000	4000	15000	300	DIP	FOD852W-ND	49	37	28	—	
	5000	1000	4000	15000	300	DIP	FOD852300-ND	49	37	28	—	
	5000	1000	4000	15000	300	DIP	FOD852300W-ND	49	37	28	—	
	5000	1000	4000	15000	300	SMD	FOD8523S-ND	49	37	28	—	
	5000	1000	4000	15000	300	SMD	FOD8523SCT-ND	52	40	30	—	
	5000	1000	4000	15000	300	SMD	FOD8523SDTR-ND	—	347.61	2.00	—	
20	2500	—	—	—	—	DIP	HCLP3700-ND	2.50	2.22	1.43	—	
	2500	100	—	200	70	SMD	MOC207R1MCT-ND	60	47	34	—	
	2500	100	—	200	70	SMD	MOC207R1MTR-ND	—	114.71	500	—	
	2500	100	—	200	70	SMD	MOC207R2MCT-ND	57	44	32	—	
	2500	100	—	200	70	SMD	MOC207R2MTR-ND	—	397.92	2.50	—	
21	2500	100	—	200	70	SOIC	MOC207R1MCT-ND	91	74	51	—	
	2500	100	—	200	70	SOIC	MOC207R1MTR-ND	—	173.28	500	—	
	2500	100	—	200	70	SOIC	MOC207R2MCT-ND	91	74	51	—	
	2500	100	—	200	70	SOIC	MOC207R2MTR-ND	—	677.84	2.50	—	
	5000	40	—	80	70	SMD	FOD617AS-ND	37	27	18	—	
22	5000	40	—	80	70	SMD	FOD617A3S-ND	37	27	18	—	
	5000	63	—	125	70	SMD	FOD617B3SDCT-ND	48	37	24	—	
	5000	63	—	125	70	SMD	FOD617B3SDTR-ND	—	122.79	1.00	—	
	7500	100	—	—	60	SMD	4N29SM-ND	48	38	28	—	
	7500	100	—	—	60	SMD	4N29SR2MCT-ND	56	44	31	—	
23	7500	100	—	—	60	SMD	4N29SR2MTR-ND	—	168.19	1.00	—	
	7500	100	—	—	60	SMD	4N30SM-ND	48	38	28	—	
	7500	100	—	—	60	SMD	4N30SR2MCT-ND	56	44	31	—	
	7500	100	—	—	60	SMD	4N30SR2MTR-ND	—	168.19	1.00	—	
	7500	500	—	—	60	SMD	4N32SM-ND	48	38	28	—	
	7500	20	—	—	80	SMD	4N38SR2MCT-ND	78	61	44	—	
	7500	20	—	—	80	SMD	4N38SR2MTR-ND	—	235.22	1.00	—	
	7500	40	—	80	70	SMD	CHY17F1SM-ND	43	34	25	—	
	7500	300	—	—	30	SMD	H11AG1SM-ND	77	61	43	—	
	7500	300	—	—	30	SMD	H11AG1SR2MCT-ND	85	68	48	—	
24	7500	300	—	—	30	SMD	H11AG1SR2MTR-ND	—	264.55	1.00	—	
	7500	500	—	—	60	SMD	H11B1SM-ND	48	38	28	—	
	7500	500	—	—	60	SMD	H11B1SR2MCT-ND	56	44	31	—	
	7500	500	—	—	60	SMD	H11B1SR2MTR-ND	—	168.19	1.00	—	
	7500	500	—	—	60	SMD	H11B1SR2VMCT-ND	56	44	31	—	
	7500	500	—	—	60	SMD	H11B1SR2VMTR-ND	—	168.19	1.00	—	
	7500	20	—	—	300	SMD	H11D1SM-ND	66	52	37	—	
	7500	20	—	—	300	SMD	H11D1SR2MCT-ND	78	61	44	—	
	7500	20	—	—	300	SMD	H11D1SR2MTR-ND	—	235.22	1.00	—	
	7500	20	—	—	300	SMD	H11D1SR2VMCT-ND	78	61	44	—	
25	7500	20	—	—	300	SMD	H11D1SR2VMTR-ND	—	235.22	1.00	—	
	7500	20	—	—	300	SMD	H11D2SR2MCT-ND	78	61	44	—	
	7500	20	—	—	300	SMD	H11D2SR2MTR-ND	—	235.22	1.00	—	
	7500	20	—	—	300	SMD	H11D2SR2VMCT-ND	78	61	44	—	
	7500	20	—	—	300	SMD	H11D2SR2VMTR-ND	—	235.22	1.00	—	
	7500	20	—	—	200	SMD	H11D3SR2MCT-ND	66	52	37	—	
	7500	20	—	—	200	SMD	H11D3SR2MTR-ND	—	235.22	1.00	—	
	7500	—	—	200	30	SMD	H11F1SM-ND	2.08	1.85	1.20	—	
	7500	—	—	200	30	SMD	H11F1SR2MCT-ND	2.29	2.06	1.33	—	
	7500	—	—	200	30	SMD	H11F1SR2MTR-ND	—	830.14	1.00	—	
26	7500	—	—	470	15	SMD	H11F3SM-ND	2.08	1.85	1.20	—	
	7500	—	—	470	15	SMD	H11F3SR2MCT-ND	2.29	2.06	1.33	—	
	7500	—	—	470	15	SMD	H11F3SR2MTR-ND	—	830.14	1.00	—	
	7500	—	—	470	15	SMD	H11F3SR2VMCT-ND	2.29	2.06	1.33	—	
	7500	—	—	470	15	SMD	H11F3SR2VMTR-ND	—	830.14	1.00	—	
	7500	—	—	470	15	SMD	H11F3SVM-ND	2.08	1.85	1.20	—	
	7500	1000	—	—	100	SMD	H11G1SM-ND	67	52	38	—	
	7500	1000	—	—	100	SMD	H11G1SR2MCT-ND	79	61	44	—	
	7500	1000	—	—	100	SMD	H11G1SR2MTR-ND	—	236.40	1.00	—	
	7500	500	—	—	80	SMD	H11G2SM-ND	67	52	38	—	
27	7500	500	—	—	80	SMD	H11G2SR2MCT-ND	79	61	44	—	
	7500	500	—	—	80	SMD	H11G2SR2MTR-ND	—	236.40	1.00	—	
	7500	200	—	—	55	SMD	H11G3SR2MCT-ND	80	62	44	—	
	7500	200	—	—	55	SMD	H11G3SR2MTR-ND	—	239.93	1.00	—	
	7500	120	—	—	100	SMD	MCT5201SM-ND	85	68	43	—	
	7500	120	—	—	100	SMD	MCT5201SR2MCT-ND	77	61	43	—	
	7500	120	—	—	100	SMD	MCT5201SR2MTR-ND	—	264.55	1.00	—	
	7500	60	—	—	100	SMD	MCT5210SM-ND	77	61	43	—	
	7500	100	—	—	100	SMD	MCT5211SR2MCT-ND	88	71	49	—	
	7500	1,000	—	—	100	SMD	MCT5211SR2MTR-ND	—	273.33	1.00	—	
28	7500	1,000	—	—	100	SMD	MOC8021SR2MCT-ND	73	57	41	—	
	7500	1,000	—	—	100	SMD	MOC8021SR2MTR-ND	—	218.76	1.00	—	
	7500	500	—	—	100	SMD	MOC8050SR2MCT-ND	79	61	44	—	
	7500	500	—	—	100	SMD	MOC8050SR2MTR-ND	—	236.40	1.00	—	
	7500	20	—	—	400	SMD	MOC8204SM-ND	1.05	86	59	—	
	29	7500	100	—	—	60	DIP	4N29M-ND	—	48	38	28
		7500	100	—	—	60	DIP	4N30M-ND	—	48	38	28
		7500	500	—	—	60	DIP	4N32M-ND	—	48	38	28
		7500	500	—	—	60	DIP	4N32VM-ND	—	48	38	28
		7500	500	—	—	60	DIP	4N33M-ND	—	44	35	25
7500		500	—	—	60	DIP	4N33VM-ND	—	48	38	28	
7500		500	—	—	60	DIP	4N38M-ND	—	66	52	37	
7500		300	—	—	30	DIP	H11AG1M-ND	—	77	61	43	
7500		300	—	—	30	DIP	H11AG1VM-ND	—	77	61	43	
7500		500	—	—	60	DIP	H11B1M-ND	—	48	38	28	
30	7500	500	—	—	60	DIP	H11B1VM-ND	—	48	38	28	
	7500	20	—	—	200	DIP	H11D1MFS-ND	—	66	52	37	
	7500	20	—	—	300	DIP	H11D1VM-ND	—	66	52		

SCR and Triac Output Optoisolators (Cont.)

Fig.	Isolation Voltage	Max IF Trigger (mA)	Minimum Blocking Voltage	Max. IDRM	Pkg. Type	Digi-Key Part No.	Price Each		
							1	10	100
31	3750	60	250	100nA	MFP	FODM3011R1_NF098CT-ND‡	.52	.40	.30
	3750	60	250	100nA	MFP	FODM3011R1_NF098TR-ND‡	96.76	50.00	—
	3750	60	250	100nA	MFP	FODM3012R1_NF098CT-ND‡	.60	.45	.34
	3750	60	250	100nA	MFP	FODM3012R1_NF098TR-ND‡	103.82	50.00	—
	3750	60	600	100nA	MFP	FODM3052R1_NF098CT-ND‡	.65	.55	.44
	3750	60	600	100nA	MFP	FODM3052R1_NF098TR-ND‡	144.84	50.00	—
32	3750	60	600	500nA	MFP	FODM3062-ND	.91	.77	.61
	3750	60	600	500nA	MFP	FODM3063-ND	1.00	.84	.67
	3750	60	800	500nA	MFP	FODM3082-ND	1.09	.88	.66
	3750	60	800	500nA	MFP	FODM3083-ND	1.13	.90	.68
	7500	60	5300	100nA	SMD	MOC3021SR2MCT-ND	.67	.52	.37
	7500	60	5300	100nA	SMD	MOC3021SR2MTR-ND	199.94	1.000	—
36	7500	60	5300	100nA	SMD	MOC3023SR2MCT-ND	.67	.52	.37
	7500	60	5300	100nA	SMD	MOC3023SR2MTR-ND	201.12	1.000	—
	7500	60	5300	100nA	SMD	MOC3052SM-ND	.76	.62	.43
	7500	60	5300	100nA	SMD	MOC3052SR2MCT-ND	.90	.70	.50
	7500	60	5300	100nA	SMD	MOC3052SR2MTR-ND	270.51	1.000	—
	7500	60	5300	100nA	DIP	MOC3052VM-ND	.76	.62	.43
37	7500	60	5300	100nA	SMD	MOC3043SM-ND	.88	.72	.50
	7500	60	5300	500nA	DIP	MOC3063VM-ND	1.00	.82	.57
	7500	60	5300	500nA	SMD	MOC3083SR2MCT-ND	1.27	1.02	.71
	7500	60	5300	500nA	SMD	MOC3083SR2MTR-ND	395.18	1.000	—

† VDE approval ▲ .4" Lead Spacing ‡ Cut Tape ◊ Tape and Reel

4-Pin Couplers

Fig.	Isol. Voltage	Current Transfer Ratio	V _{CEO} (Max.)	Typ. ton/off (µsec.)	Pkg. Type	Digi-Key Part No.	Price Each		
							1	10	100
14A	2500	50-600%	80	3/3	MFP	HMHA281-ND†	.36	.29	.22
	5000	40-80%	70	4/3	DIP	FOD617A-ND†	.37	.27	.18
	5000	63-125%	70	4/3	DIP	FOD617B-ND†	.37	.27	.18
	5000	100-200%	70	4/3	DIP	FOD617C-ND†	.37	.27	.18
	5000	160-320%	70	4/3	DIP	FOD617D-ND†	.37	.27	.18
	5000	40-80%	70	4/3	DIP	FOD617A300-ND†	.33	.27	.19
14B	5000	63-125%	70	4/3	DIP	FOD617B300-ND†	.33	.27	.19
	5000	100-200%	70	4/3	DIP	FOD617C300-ND†	.33	.27	.19
	5000	160-320%	70	4/3	DIP	FOD617D300-ND†	.33	.27	.19
	5000	20-300%	70	4/3	DIP	FOD814-ND	.38	.31	.24
	5000	20-300%	70	4/3	SMD	FOD814S-ND	.35	.28	.21
	5000	20-300%	70	4/3	SMD	FOD814SDCT-ND‡	.35	.27	.20
	5000	20-300%	70	4/3	SMD	FOD814SDTR-ND‡	231.74	2.000	—
	5000	20-300%	70	4/3	DIP	FOD814W-ND▲	.35	.28	.21
	5000	20-300%	70	4/3	DIP	FOD814300-ND†	.35	.28	.21
	5000	20-300%	70	4/3	DIP	FOD814300W-ND†▲	.35	.28	.21
	5000	20-300%	70	4/3	SMD	FOD8143S-ND†	.35	.28	.21
	5000	20-300%	70	4/3	SMD	FOD8143SDCT-ND‡	.35	.27	.20
	5000	20-300%	70	4/3	SMD	FOD8143SDTR-ND‡	231.74	2.000	—
	5000	50-150%	70	4/3	DIP	FOD814A-ND	.38	.30	.22
	5000	50-150%	70	4/3	SMD	FOD814AS-ND	.38	.30	.22
	5000	50-150%	70	4/3	SMD	FOD814ASDCT-ND‡	.35	.27	.20
	5000	50-150%	70	4/3	SMD	FOD814ASDTR-ND‡	115.87	1.000	—
	5000	50-150%	70	4/3	DIP	FOD814AW-ND▲	.41	.32	.23
	5000	50-150%	70	4/3	DIP	FOD814A300-ND†	.38	.30	.22
	5000	50-150%	70	4/3	DIP	FOD814A300W-ND†▲	.41	.33	.24
	5000	50-150%	70	4/3	SMD	FOD814A3S-ND†	.38	.30	.22
	5000	50-150%	70	4/3	SMD	FOD814A3SDCT-ND‡	.35	.27	.20
	5000	50-150%	70	4/3	SMD	FOD814A3SDTR-ND‡	115.87	1.000	—
	14C	2500	50-600%	7	3/3	DIP	HMHA280R1CT-ND‡	.37	.28
2500		50-600%	7	3/3	DIP	HMHA280R1TR-ND‡	65.05	50.00	—
2500		50-600%	80	3/3	MFP	HMHA280R4VCT-ND‡	.37	.28	.21
2500		50-600%	80	3/3	MFP	HMHA280R4VTR-ND‡	302.02	2.500	—
5000		600-7500%	35	60/53	SMD	FOD816S-ND	.42	.34	.26
5000		600-7500%	35	60/53	SMD	FOD816SDCT-ND‡	.38	.29	.22
14D	5000	600-7500%	35	60/53	SMD	FOD816SDTR-ND‡	126.49	1.000	—
	5000	600-7500%	35	60/53	DIP	FOD816W-ND▲	.42	.34	.26
	5000	600-7500%	35	60/53	DIP	FOD816300-ND†	.42	.34	.26
	5000	600-7500%	35	60/53	DIP	FOD816300W-ND†▲	.42	.34	.26
	5000	600-7500%	35	60/53	SMD	FOD8163S-ND†	.42	.34	.26
	5000	600-7500%	35	60/53	SMD	FOD8163SDCT-ND‡	.38	.29	.22
	5000	600-7500%	35	60/53	SMD	FOD8163SDTR-ND‡	126.49	1.000	—

† VDE approval ▲ .4" Lead Spacing ‡ Cut Tape ◊ Tape and Reel

Logic Output Optoisolators

Fig.	Function	Input: LSTTL Output	15M Baud Rl. Output Configuration	Package Type	Digi-Key Part No.	Price Each			Tape & Reel Qty	Pricing
						1	10	100		
26	Buff.	TTL	Totem Pole	SMD	HCPLE2630S-ND	1.76	1.42	1.06	—	—
33	Buff.	TTL	Totem Pole	SMD	FOD0708R1CT-ND‡	2.06	1.65	1.29	500	594.59
34	Buff.	TTL	Totem Pole	SMD	FOD0710-ND	2.89	2.32	1.80	—	—
	Buff.	TTL	Totem Pole	SMD	FOD0720-ND	2.00	1.60	1.24	—	—
	Buff.	TTL	Totem Pole	SMD	FOD0721-ND	2.19	1.76	1.37	—	—
35	Buff.	TTL	Totem Pole	SMD	FOD0738R1CT-ND‡	4.02	3.22	2.51	1,000	2321.75

Fig.	Isolation Voltage	Ifon Current (Max.) mA	ICCL (Max.) mA	Oper. Voltage (Max.) mV	Pkg. Type	Digi-Key Part No.	Price Each			T & R Pricing @ 1,000
							1	10	100	
36	5000	1.6	7.0	2.0	SMD	FOD2200SDVCT-ND‡	2.32	2.08	1.35	840.93
37	2500	50	13	5.5	SOIC	HCPLE600-ND	1.38	1.11	.83	—
	3750	50	13	5.5	SOIC	HCPLE601-ND	1.69	1.36	1.02	—
	2500	50	13	7.0	SMD	6N137SDCT-ND‡	1.00	.81	.56	311.75
38	2500	—	—	—	SOIC	HCPLE62N-ND	3.11	2.49	1.94	—
	3750	50	13	7.0	SOICW	HCPLE637-ND	1.36	1.09	.82	—
	3750	—	—	—	SOICW	HCPLE638-ND	1.45	1.17	.88	—
39	2500	—	—	—	SMD	HCPLE2631SDCT-ND‡	2.08	1.87	1.21	754.68
40	5300	1.6	5	16	DIP	H11L1-MOT-ND	.76	.59	.43	—
	5300	1.6	5	16	SMD	H11L1SM-ND	.81	.64	.46	—
	7500	60	5	15	SMD	H11L1SR2MCT-ND‡	.86	.67	.48	258.75
	7500	1.6	5	15	SMD	H11L1SR2VMCT-ND‡	.85	.68	.48	263.45
	7500	1.6	5	15	SMD	H11L1SVM-ND†	.81	.64	.46	—
	7500	1.6	5	15	DIP	H11L1TM-ND	.81	.64	.46	—
	7500	1.6	5	15	DIP	H11L1TVM-ND†	.81	.64	.46	—
	5300	1.6	5	16	DIP	H11L1VM-MOT-ND†	.76	.59	.42	—
	5300	10	5	16	DIP	H11L1VM-ND	.81	.64	.46	—
	5300	10	5	16	DIP	H11L2-MOT-ND	.50	.42	.34	—
	7500	10.0	5	15	SOIC	H11L2M-ND	.81	.64	.46	—
	7500	10.0	5	15	SMD	H11L2SM-ND	.78	.64	.44	—
41	7500	10.0	5	15	SMD	H11L2SR2MCT-ND‡	.85	.68	.48	263.45
	7500	10.0	5	15	SMD	H11L2SVM-ND†	.78	.64	.44	—
	7500	10.0	5	15	DIP	H11L2TM-ND†	.78	.64	.44	—
	7500	10.0	5	15	DIP	H11L2VM-ND†	.81	.64	.46	—
	5300	3.2	10	16	DIP	H11N1-MOT-ND	2.06	1.83	1.18	—
	5300	10	10	16	DIP	H11N3-M-ND	2.03	1.80	1.17	—

Fig.	Isolation Voltage	Maximum Prop. Delay (ns)	Typical CMR V/µsec.	IF (mA)	Pkg. Type	Digi-Key Part No.	Price Each		
							1	10	100
29	2500	100	10,000	50	SMD	6N137S-ND	.81	.66	.46
	2500	100	10,000	50	SMD	HCPLE601R1CT-ND‡	1.71	1.37	1.03
	2500	100	10,000	50	SMD	HCPLE601R1TR-ND‡	890.08	1000	—
41	2500	75	10,000	5	DIP	6N137QT-ND	.81	.66	.46
	2500	75	10,000	5	DIP	HCPLE2601QT-ND	1.33	1.18	.76
	2500	75	10,000	5	DIP	HCPLE2611-ND	1.52	1.35	.87
42	2500	75	10,000	5	DIP	HCPLE2630QT-ND	2.47	2.19	1.42
	2500	75	10,000	5	DIP	HCPLE2631QT-ND	1.92	1.71	1.10

Fig.	Isolation Voltage	BV _{CEO} Minimum	Typ. ton/off (µsec.)	Package Type	Digi-Key Part No.	Price Each		
						1	10	100
43	2500	5	1/1	DIP	MID400-ND	2.54	2.12	1.53

◊ For Tape and Reel change CT-ND to TR-ND ‡ Cut Tape § Tape and Reel † VDE approval

FET Outputs

Fig.	Isolation Voltage	R _{DS(on)} (Ω)	V _{BR} (Min.)	Typ. ton/off (µs)	Package Type	Digi-Key Part No.</
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