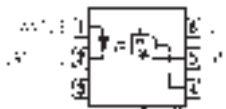


Schmitt Trigger Output



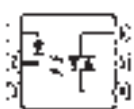
All parts are **UL** recognised, H11L1V-M, H11L2V-M, H11L3V-M, H11N1V-M, H11N2V-M, H11N3V-M are **VDE** approved.

Isolation Voltage (pk) V_{rms}	Typ. Data Rate	Turn-on Current (max)	V_{CC} (max.)	Mftrs.	Mftrs. List No.	Order Code
7500V	1Mbps	1.6mA	16V	FCH	H11L1-M	102-1359
5300V	1Mbps	1.6mA	16V	FCH	H11L1V-M	102-1228
7500V	1Mbps	1.6mA	16V	FCH	H11L1M	102-1127
5300V	1Mbps	10mA	16V	FCH	H11L2-M	102-1231
5300V	1Mbps	10mA	16V	FCH	H11L2V-M	102-1232
5300V	1Mbps	5mA	16V	FCH	H11L3-M	102-1233
5300V	1Mbps	5mA	16V	FCH	H11L3V-M	102-1235
5656V	5Mbps	3.2mA	16V	FCH	H11N1	102-1128
5300V	5Mbps	3.2mA	3.2V	FCH	H11N1-M	102-1236
5300V	5Mbps	3.2mA	16V	FCH	H11N1V-M	102-1238
5300V	5Mbps	5mA	16V	FCH	H11N2-M	102-1239
5300V	5Mbps	5mA	16V	FCH	H11N2V-M	102-1240
5300V	5Mbps	1mA	16V	FCH	H11N3-M	102-1241

206209

Mftrs. List No.	Order Code	1+	10+	100+	250+	+
H11L1-M	102-1359	53.00	44.00	34.00	24.00	--
H11L1V-M	102-1228	53.00	44.00	34.00	24.00	--
H11L1M	102-1127	53.00	44.00	34.00	24.00	--
H11L2-M	102-1231	62.00	54.00	44.00	26.00	--
H11L2V-M	102-1232	48.00	40.00	31.00	22.00	--
H11L3-M	102-1233	51.00	42.00	32.00	23.00	--
H11L3V-M	102-1235	58.00	50.00	41.00	22.00	--
H11N1	102-1128	226.00	178.00	136.00	120.00	--
H11N1-M	102-1236	177.00	141.00	108.00	95.00	--
H11N1V-M	102-1238	218.00	185.00	147.00	84.00	--
H11N2-M	102-1239	174.00	134.00	102.00	90.00	--
H11N2V-M	102-1240	206.00	171.00	136.00	77.00	--
H11N3-M	102-1241	146.00	115.00	88.00	78.00	--

Triac Driver



MOC30XX, TLP30XX & K30XXX are **UL** recognised. Optocouplers with light activated silicon bi-lateral switch detectors, designed for applications requiring isolated triac triggering.

◆=Zero voltage crossing triac drivers to give reduced EMI and line noise, and improved static dv/dt.

Isolation Voltage (pk)	I_F Trigger (max.)	Blocking Voltage (min)	RMS Fwd. Current @ 25°C (max.)	Mftr	Mftrs. List No.
3750V	15mA	250V	100mA	VISHAY	K3010P
3750V	15mA	250V	100mA	VISHAY	K3011P
3750V	15mA	250V	100mA	VISHAY	K3012P
3750V	15mA	400V	100mA	VISHAY	K3020P
3750V	15mA	400V	100mA	VISHAY	K3021P
3750V	15mA	400V	100mA	VISHAY	K3022P
3750V	15mA	400V	100mA	VISHAY	K3023P
5300V	2.0mA	600V	300mA	FAIRCHILD	IL410
6000V	10mA	400V	100mA	TOSHIBA	TLP3022(S,F)
6000V	5mA	400V	100mA	TOSHIBA	TLP3043(S,C,F)
6000V	10mA	600V	100mA	TOSHIBA	TLP3052(S,F)
6000V	10mA	600V	100mA	TOSHIBA	◆TLP3062(S,C,F)
6000V	5mA	600V	100mA	TOSHIBA	◆TLP3063(S,C,F)
7500V	10mA	250V	100mA	FAIRCHILD	MOC3011-M
7500V	5mA	250V	100mA	FAIRCHILD	MOC3012-M
7500V	15mA	400V	100mA	FAIRCHILD	MOC3021-M
7500V	10mA	400V	100mA	FAIRCHILD	MOC3022-M
7500V	5mA	400V	100mA	FAIRCHILD	MOC3023-M
7500V	10mA	400V	100mA	FAIRCHILD	◆MOC3042-M
7500V	5mA	400V	100mA	FAIRCHILD	◆MOC3043-M
7500V	15mA	600V	100mA	FAIRCHILD	◆MOC3061-M
7500V ac	600V	600V	60mA	FAIRCHILD	MOC3063M
7500V ac	600V	600V	60mA	FAIRCHILD	◆MOC3062M
7500V ac	400V	600V	60mA	FAIRCHILD	◆MOC3041M
7500V ac	600V	600V	60mA	FAIRCHILD	◆MOC3052M

206212

Mftrs. List No.	Order Code	1+	25+	100+	250+	+
TLP3022(S,F)	114-1135	56.00	53.00	42.00	38.00	--
TLP3043(S,C,F)	114-1136	56.00	46.00	38.00	33.00	--
TLP3052(S,F)	114-1137	95.00	80.00	61.00	55.00	--
TLP3062(S,C,F)	120-1934	59.00	58.00	44.00	39.00	--
TLP3063(S,C,F)	114-1138	63.00	59.00	50.00	39.00	--
MOC3011-M	102-1363	52.00	37.00	28.00	19.00	--
MOC3012-M	102-1364	54.00	39.00	29.00	20.00	--
MOC3021-M	102-1365	50.00	37.00	28.00	19.00	--
MOC3022-M	102-1366	54.00	39.00	29.00	20.00	--
MOC3023-M	102-1367	54.00	39.00	29.00	20.00	--
MOC3042-M	102-1368	52.00	41.00	32.00	22.00	--
MOC3043-M	102-1371	52.00	41.00	32.00	22.00	--
MOC3061-M	102-1372	55.00	45.00	36.00	25.00	--

Mftrs. List No.	Order Code	1+	25+	100+	250+	+
IL410	104-5434	191.00	170.00	142.00	115.00	--
K3010P	104-5435	37.00	33.00	28.00	22.00	--
K3011P	104-5436	37.00	33.00	28.00	22.00	--
K3012P	104-5437	37.00	33.00	28.00	22.00	--
K3020P	104-5438	37.00	33.00	28.00	22.00	--
K3021P	104-5439	37.00	33.00	28.00	22.00	--
K3022P	104-5440	37.00	33.00	28.00	22.00	--
K3023P	104-5442	37.00	33.00	28.00	22.00	--

Isolation Voltage (V)	I_F Trigger (mA)	Continuous Forward Current (mA)	OFF State Terminal Voltage (V)	Package Style	Mftrs. List No.
7500	5	60	600	8 Pin DIL	MOC3063M
7500	10	60	600	6 Pin DIL	MOC3062M
7500	15	60	400	6 Pin DIL	MOC3041M
7500	10	60	600	6 Pin DIL	MOC3052M

423752

Mftrs. List No.	Order Code	1+	25+	100+	250+	+
MOC3063M	NEW 108-6673	47.00	40.00	32.00	20.00	--
MOC3062M	NEW 108-6676	43.00	37.00	29.00	19.00	--
MOC3041M	NEW 108-6677	45.00	37.00	30.00	19.00	--
MOC3052M	NEW 108-6680	45.00	37.00	30.00	19.00	--

Photoresistive Optocouplers



SILONEX

Photoresistor optocouplers are ideal for audio applications, Soft switching, potentiometer replacement, compressors, expanders, limiters, etc. The resistive output of this type of device has very low distortion characteristics.

Mftrs. List No.	LED I_F (mA)	R_{on} MAX (Ω)	R_{dark} Min (Ω)	Order Code
NSL 32.	20	500	K	316-8773
NSL 37V51	40	2000	M	316-8785
NSL-32SR3	25	60		369-2218

206638

Mftrs. List No.	Order Code	1+	25+	100+
NSL 32.	316-8773	103.00	87.00	79.00
NSL 37V51	316-8785	242.00	206.00	182.00
NSL-32SR3	369-2218	159.00	134.00	133.00

Surface Mount Optocouplers - Transistor, Darlington, SCR



Schmitt Trigger & High Speed Logic Gate Outputs



Surface mount optocouplers in 6 pin and 8 pin packages. Items ending with F-M or FR2V-M are low profile packages. They are all compatible with standard surface mount processes.



The electrical parameters are identical to the standard DIL versions.

All parts are **UL** recognised. Items ending in either 'V-M' or '300' are also **VDE** approved.

Mftrs List No. for Surface Mount Version	Order Code for Surface Mount Version	Mftrs List No. for Surface Mount Version	Order Code for Surface Mount Version
Transistor Output		Transistor Output	
4N25.300	102-1149	CNY17-3SR2V-M	102-1215
4N25.S	102-1150	CNY17-4.3S	102-1219
4N25S-M	102-1152	H11D1.S	102-1225
4N25SR2V-M	102-1153	HCPL-2531.S	102-1248
4N26.300	102-1154	Darlington Output	
4N26.S	102-1155	4N29.S	102-1164
4N26SR2-M	102-1156	4N32.3S	102-1168
4N27.3S	102-1159	4N32.S	102-1169
4N27.S	102-1160	4N33.3S	102-1171
4N35.3S	102-1174	4N33.S	102-1172
4N35.S	102-1176	6N139.S	102-1200
4N35F-M	102-1177	HCPL-2731S	102-1259
4N35FR2V-M	102-1178	SCR Output	
4N35S-M	102-1179	4N40.3S	102-1194
4N36S-M	102-1181	H11C6.S	102-1223
4N37.S	102-1183	Schmitt Trigger Output	
4N37SR2V-M	102-1184	H11L1S-M	102-1226
4N38.S	102-1190	H11L1SR2V-M	102-1227
6N136.S	102-1196	H11L3SR2V-M	102-1234
CNY17-1.3S	102-1202	H11N1SR2V-M	102-1237
CNY17-1.S	102-1203	H11N3SR2V-M	102-1243
High Speed Logic Gate Output		High Speed Logic Gate Output	
CNY17-2.3S	102-1207	6N137.S	102-1198
CNY17-2FR2V-M	102-1208	HCPL-2601.S	102-1250
CNY17-3.3S	102-1212	HCPL-2630.S	102-1253
CNY17-3FR2V-M	102-1213	HCPL-2631.S	102-1256
CNY17-3S-M	102-1214		

Optoelectronics, Indicators, Lamps & Displays

14

Compliant
Non-compliant
RoHS
+ Limited stock - RoHS replacement available