

DUAL - IN - LINE PACKAGE ISOLATORS

Below listed optoisolators are available in surface mount design, except part numbers KC3009 through KC3023. Specify suffix SMA (low profile) or SMB (standard profile).

T-41-83
T-41-87
T-41-89

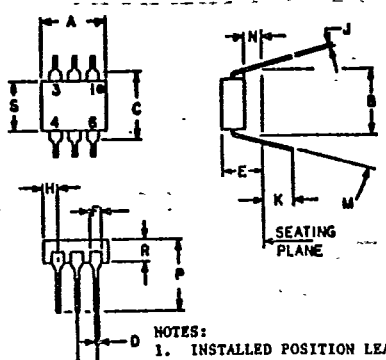
AC INPUT	TYPE	ISOLATION VOLTAGE (V _{pk}) MIN.	CURRENT TRANSFER RATIO MIN.	I _{CEO} (nA) MAX.	V _{CEO} (VOLTS) MIN.	TYPICAL (μSEC)		V _{CE(SAT)} MAX.
						t _r	t _f	
	H11AA1	2500	20%	100	30	2	2	.4
	H11AA2	2500	10%	200	30	2	2	.4
	H11AA3	2500	50%	100	30	2	2	.4
	H11AA4	2500	100%	100	30	2	2	.4
	CNY35	1500	10%	200	30	2	2	.4

PHOTO SCR OUTPUT	TYPE	ISOLATION VOLTAGE MIN.	I _F TRIGGER (MAX.)	I _P 100°C (MAX.) μ	BLOCKING VOLTAGE (MIN.)	TYPICAL TON(μSEC)	V _F (MAX.)
H11C2	2500	20mA	50	200	1	1.5	
H11C3	2500	30mA	50	200	1	1.5	
H11C4	3535	20mA	100	400	1	1.5	
H11C5	2500	20mA	100	400	1	1.5	
H11C6	2500	30mA	100	400	1	1.5	
4N39	1500	14mA	50	200	1	1.5	
4N40	1500	14mA	150	400	1	1.5	
CNY30	2500	20mA	50	200	1	1.5	
CNY34	2500	20mA	150	400	1	1.5	
MCS2	3550	14mA	50	200	1	1.5	
MCS2400	3550	14mA	150	400	1	1.5	
MCS21	4000	20mA	50	200	1	1.5	
MCS2401	4000	20mA	100	400	1	1.5	

TRIAC DRIVER OUTPUT	TYPE	ISOLATION VOLTAGE (RMS) MIN.	I _F TRIGGER MAX.	BLOCKING VOLTAGE MIN.	LEAKAGE CURRENT MAX.	ON-STATE VOLTAGE I _{TM} = 100mA MAX.	TYPICAL dv/dt V/μSEC STATIC
H11J2	4000V	15mA	250V	100nA	3.0V	2.0	
H11J3	2500V	10mA	250V	100nA	3.0V	2.0	
H11J4	2500V	15mA	250V	100nA	3.0V	2.0	
H11J5	1500V	25mA	250V	100nA	3.0V	2.0	
KC3009	4000V	30mA	250V	100nA	3.0V	6.0	
KC3010	4000V	15mA	250V	100nA	3.0V	6.0	
KC3011	4000V	10mA	250V	100nA	3.0V	6.0	
KC3012	4000V	5mA	250V	100nA	3.0V	6.0	
KC3020	4000V	30mA	400V	100nA	3.0V	6.0	
KC3021	4000V	15mA	400V	100nA	3.0V	6.0	
KC3022	4000V	10mA	400V	100nA	3.0V	6.0	
KC3023	4000V	5mA	400V	100nA	3.0V	6.0	

SCHMITT TRIGGER OUTPUT	TYPE	ISOLATION VOLTAGE (RMS) MIN.	TURN ON CURRENT I _{FON} MAX.	HYSTERESIS I _{OFF} /I _{ON} RATIO		OUTPUT VOLTAGE VOL (I _O = 17mA) MAX.	MAXIMUM DATA RATE, NRZ	OPERATING VOLTAGE	
				MIN.	MAX.			MIN.	MAX.
	H11L1	2500V	1.6mA	0.3	0.9	0.4V	1.0MHz	3V	16V
	H11L2	2500V	10mA	0.3	0.9	0.4V	1.0MHz	3V	16V
	H11L3	2500V	5mA	0.3	0.9	0.4V	1.0MHz	3V	16V

STANDARD MOUNT



SYMBOL	MILLIMETERS		INCHES		NOTES
	MIN.	MAX.	MIN.	MAX.	
A	8.38	8.89	.330	.350	1
B	7.62	REF.	.300	REF.	
C	--	8.64	--	.340	2
D	.406	.508	.016	.020	
E	--	5.08	--	.200	3
F	1.01	1.78	.040	.070	
G	2.28	2.80	.090	.110	4
H	--	2.16	--	.085	
J	.203	.305	.008	.012	5
K	2.54	--	.100	--	
M	--	15°	--	15°	6
N	.381	--	.015	--	
P	--	9.53	--	.375	7
R	2.92	3.43	.115	.135	
S	6.10	6.86	.240	.270	8

NOTES:
1. INSTALLED POSITION LEAD CENTERS.
2. OVERALL INSTALLED DIMENSION.
3. THESE MEASUREMENTS ARE MADE FROM THE SEATING PLANE.
4. FOUR PLACES.

SURFACE MOUNT

Symbol	SMA (Low Profile)		SMB (Standard)		SMA Max		SMB Max	
	Min (Inches)	Max (Inches)	Min (Inches)	Max (Inches)	Min (mm)	Max (mm)	Min (mm)	Max (mm)
A	.330	.350	.330	.350	8.38	8.89	8.38	8.89
B	.330	REF.	.330	REF.	8.38	REF.	8.38	REF.
F	.020	.040	.020	.040	.51	1.02	.51	1.02
J	.008	.012	.008	.012	.20	.30	.20	.30
K	.0005	.004	.004	.0098	.013	.102	.102	.249
M	--	15°	--	15°	--	15°	--	15°
P	.373	.393	.375	.395	9.47	9.98	9.53	10.03
R	.115	.135	.115	.135	2.92	3.43	2.92	3.43
S	.240	.270	.240	.270	6.10	6.86	6.10	6.86
G	.090	.110	.090	.110	2.28	2.80	2.28	2.80

