Schmitt Triggers

Single Channel DIP

Part Number	Features	Turn-on Threshold Current RL=270Ω VCC=5V Max(mA)	Isolation Breakdown Voltage (KV)	Continuous Forward Current Max (mA)	VEB (LED) IR=10μA Min (V)	Turn-off Threshold Current RL=270Ω VCC=5V Min (mA)	Output Voltage (low) RL=270Ω VCC=5V Max(V)	Schematic number / Package Number	Available Safety Approvals [1]							
									UL	CSA	VDE	BSI	NEMKO	DEMKO	SEMKO	FIMKO
H11L1	Microprocessor Compatibler	1.6	7.5 (pk) 5.3(rms)	60	3	0.3	0.4	15 / 3	X	p	X					
H11L2		10.0							X	p	X					
H11L3		5.0							X	p	X					
H11L4		2.0							X	p	X					
IS609		1.6							X	p	X					
MOC5007		1.6							X	p						
MOC5008		4.0							X	p						
MOC5009		10.0							X	p						

AC Input

Single Channel, 6 and 4 Pin DIP

Part Number	Features	Current Transfer Ratio IF= 10 mA Min (%)	Isolation Breakdown Voltage (KV)	Continuous Forward Current Max (mA)	VF (LED) IF= 10mA Max (V)	BVCEO IC=1mA Min (V)	ICEO (Dark) VCE=10V Max (nA)	VCE (sat) IF= 10mA IC=0.5mA Max (V)	Schematic Number / Package Number	Available Safety Approvals [1]							
										UL	CSA	VDE	BSI	NEMKO	DEMKO	SEMKO	FIMKO
H11AA1	6pin DIP AC Input Isolators	20	7.5 (pk) 5.3 (rms)	100	1.5	30	50	0.4	32 / 3	X	p	X					
H11AA2		10								X	p	X					
H11AA3		50								X	p	X					
H11AA4		100								X	p	X					
CNY35		10								X	p	X					
IS604		50								X	p	X					
IS733		15-300		50	1.4 (IF= 20mA)	35	100 (VCE=20V)	0.2 (IF= 20mA IC= 1mA)	34 / 12	X	p						
ISP814	4 pin DIP AC Input Isolators	20 - 300 (IF= 1mA)								X	X	p	p	X	X	X	X
ISP620-1		50 - 600			1.3	55 (IC=0.5mA)		0.4 (IF= 8mA IC= 2.4mA)		X	X	p	p	X	X	X	X
ISP626-1		100 / 50 (IF= 1/ 0.5)					100 (VCE=24V)	0.4 (IF= 1mA)		X	X	p	p	X	X	X	X
PS2505-1		80-600 [3]			1.4	80	100 (VCE=40V)	0.3 (IF= 10mA IC= 2mA)		X	X	p	p	X	X	X	X
SFH620-1		40-125			1.65 (IF= 50mA)	70	50	0.4 (IF= 10mA IC= 2.5mA)		X	X	p	p	p	p	p	p
SFH620-2		63-200								X	X	p	p	p	p	p	p
SFH620-3		100-320					100			X	X	p	p	p	p	p	p
SFH620A-1		40-125			1.65 (IF= 50mA)		50	0.4 (IF= 10mA IC= 2.5mA)		X	X	p	p	p	p	p	p
SFH620A-2		63-200								X	X	p	p	p	p	p	p
SFH620A-3		100-320					100			X	X	p	p	p	p	p	p

Note 1: *X - Approved, p - Pending approval. For full ordering instructions, please see page 36*
Note 2: *EN60950 obtained through NEMKO*
Note 3: *Test condition: I_F = 5mA, V_{CE} = 5V*

Single Channel 6 And 4 Pin AC Input cont.

Part Number	Features	Current Transfer Ratio IF = 1 mA VCE = 0.5V Min (%)	Isolation Breakdown Voltage (KV)	Continuous Forward Current Max (mA)	VF (LED) IF= 10mA Max(V)	BVCEO IC=2.5mA Min(V)	ICEO (dark) VCE= 10V Max (nA)	VCE (sat) IF= 10mA IC=2.5mA Max(V)	Schematic Number / Package Number	Available Safety Approvals [1] UL	CSA	VDE	BSI	NEMKO	DEMKO	SEMKO	FIMKO
SFH628-2	4 Pin DIP AC Input Isolators	63-200	7.5 (pk) 5.3 (rms)	50	1.5 (IF= 5mA)	55 (IC=1mA)	200	0.4 (IF= 1mA) (IC= 0.5mA)	5 / 12	X	X	p	p	p	p	p	p
SFH628-3		100-320						0.4 (IF= 1mA) (IC= 0.8mA)		X	X	p	p	p	p	p	p
SFH628-4		160-500						0.4 (IF= 1mA) (IC=1.25mA)		X	X	p	p	p	p	p	p
SFH628A-2		63-200						0.4 (IF= 1mA) (IC= 0.5mA)		X	X	p	p	p	p	p	p
SFH628A-3		100-320						0.4 (IF= 1mA) (IC= 0.8mA)		X	X	p	p	p	p	p	p
SFH628A-4		160-500						0.4 (IF= 1mA) (IC= 1.25mA)		X	X	p	p	p	p	p	p
TIL194		20 [3]			1.4 (IF= 20mA)	35	100 (VCE=24V)	0.4 (IF= 5mA) (IC= 1mA)		X	X	p	p	p	p	p	p
TIL194A		50 [3]								X	X	p	p	p	p	p	p
TIL194B		100 [3]								X	X	p	p	p	p	p	p
TLP620		50 - 600 [3] [4]			1.3	55		0.4 (IF= 8mA) (IC= 2.4mA)		X	X	p	p	p	p	p	p
TLP626		100-1200						0.4 (IF= 1mA) (IC=0.5mA)		X	X	p	p	p	p	p	p

Dual and Quad Channel AC Input

Part Number	Features	Current Transfer Ratio IF = 10 mA VCE = 5V Min (%)	Isolation Breakdown Voltage (KV)	Continuous Forward Current Max (mA)	VF (LED) IF= 10mA Max(V)	BVCEO IC=1mA Min(V)	ICEO (dark) VCE= 10V Max (nA)	VCE (sat) IF= 10mA IC=0.5mA Max(V)	Schematic Number / Package Number	Available Safety Approvals [1] UL	CSA	VDE	BSI	NEMKO	DEMKO	SEMKO	FIMKO
ISP824	Two Independent AC Input Isolators in one 8 Pin DIP Package	20 - 300 (IF=1mA)	7.3 (pk) 5.3 (rms)	50	1.4 (IF= 20mA)	35	100 (VCE=20V)	0.2 (IF= 20mA) (IC= 1mA)	4 / 13	X	X	p	p	p	p	p	p
ISP620-2		50 - 600 [4] (IF=5mA)			1.3	55 (IC=0.5mA)	100 (VCE=20V)	0.4 (IF= 8mA) (IC= 2.4mA)		X	X	p	p	p	p	p	p
ISP626-2		100-1200 (IF=1mA)					100 (VCE=24V)	0.4 (IF= 1mA) (IC= 0.5mA)		X	X	p	p	p	p	p	p
PS2505-2		80 - 600 [3]			1.4	80	100 (VCE=40V)	0.3 (IF= 10mA) (IC= 2mA)		X	X	p	p	p	p	p	p
TLP620-2		50 - 600 [4] (IF=5mA)			1.3	55 (IC=0.5mA)	100 (VCE=20V)	0.4 (IF= 8mA) (IC= 2.4mA)		X	X	p	p	p	p	p	p
TLP626-2		100-1200 (IF=1mA)					100 (VCE=24V)	0.4 (IF= 1mA) (IC= 0.5mA)		X	X	p	p	p	p	p	p
ISP844	Four Independent AC Input Isolators in one 16 Pin DIP Package	20 - 300 (IF=1mA)			1.4 (IF= 20mA)	35	100 (VCE=20V)	0.2 (IF= 20mA) (IC= 1mA)	6 / 14	X	X	p	p	p	p	p	p
ISP620-4		50 - 600 [4] (IF=5mA)			1.3	55 (IC=0.5mA)	100 (VCE=20V)	0.4 (IF= 8mA) (IC=2.4mA)		X	X	p	p	p	p	p	p
ISP626-4		100 - 1200 (IF=1mA)					100 (VCE=24V)	0.4 (IF= 1mA) (IC=0.5mA)		X	X	p	p	p	p	p	p
PS2505-4		80 - 600 [3]			1.4	80	100 (VCE=40V)	0.3 (IF= 10mA) (IC= 2mA)		X	X	p	p	p	p	p	p
TLP620-4		50 - 600 [4] (IF=5mA)			1.3	55 (IC=0.5mA)	100 (VCE=20V)	0.4 (IF= 8mA) (IC=2.4mA)		X	X	p	p	p	p	p	p
TLP626-4		100 - 1200 (IF=1mA)					100 (VCE=24V)	0.4 (IF= 1mA) (IC=0.5 mA)		X	X	p	p	p	p	p	p

Note 1: X - *Approved,* p - *Pending approval. For full ordering instructions, please see page 36*

Note 3: *Test condition:* I_F = *5mA*

Note 4: *CTR selection: "GB" -100% Min,"BL" -200% Min*