

# 6 Pin DIL & SMD Triac Optocouplers

Random Phase Triac							
Part Number	Features	Input Trigger Current $V_D = 3V$	Isolation Voltage	Continuous Forward Current Input Diode	$V_{BR}$ $I_R = 10\mu A$	$I_{DRM}$ Peak Off-State Current $V_{DRM} = \text{Rated}$	$V_{DRM}$ Peak Blocking Voltage $I_{DRM} = 0.1mA$
		Max (mA)	Min (KV)	Max (mA)	Min (V)	$V_{DRM} = \text{Rated}$ Max (nA)	$I_{DRM} = 0.1mA$ Min (V)
H11J1	Infrared Emitting Diode And Light Activated Silicon Bilateral Switch	10	7.5(pk) 5.3(rms)	50	6	100	250
H11J2		15					
H11J3		10					
H11J4		15					
H11J5		25					
IS3009		30					
IS3010		15					
IS3011		10					
IS3012		5					
IS3020		30					
IS3021		15					
IS3022		10					
IS3023		5					
IS3051		15					
IS3052		10					
IS6003		3					
IS6005		5					
IS6010		10					
IS6015		15					
IS6030		30					
IS607		10					
IS608		7					
MOC3009		30					
MOC3010		15					
MOC3011		10					
MOC3012		5					
MOC3020		30					
MOC3021		15					
MOC3022		10					
MOC3023		5					
MOC3051	15						
MOC3052	10						

Zero Crossing Triac							
Part Number	Features	Input Trigger Current $V_D = 3V$	Isolation Voltage	Continuous Forward Current Input Diode	$V_{BR}$ $I_R = 10\mu A$	$I_{DRM}$ Peak Off-State Current $V_{DRM} = \text{Rated}$	$V_{DRM}$ Peak Blocking Voltage $I_{DRM} = 0.1mA$
		Max (mA)	Min (KV)	Max (mA)	Min (V)	Max (nA)	Min (V)
IS3030	Infrared Emitting Diode And Light Activated Zero Crossing Bilateral Switch	30	7.5(pk) 5.3(rms)	50	6	300	250
IS3031		15					
IS3032		10					
IS3033		5					
IS3040		30					
IS3041		15					
IS3042		10					
IS3043		5					
IS3060		30					
IS3061		15					

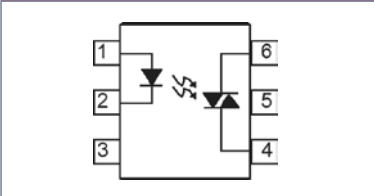


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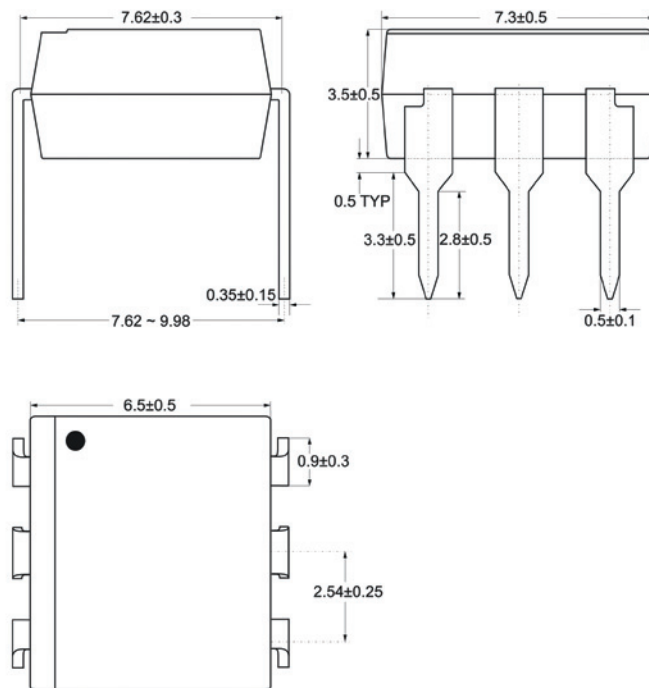
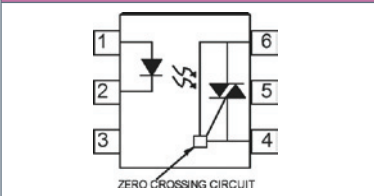
## Zero Crossing Triac

Part Number	Features	Input Trigger Current $V_0 = 3V$	Isolation Voltage	Continuous Forward Current Input Diode	$V_{BR}$ $I_R = 10\mu A$	$I_{DRM}$ Peak Off-State Current $V_{DRM} = \text{Rated}$	$V_{DRM}$ Peak Blocking Voltage $I_{DRM} = 0.1mA$
		Max (mA)	Min (KV)	Max (mA)	Min (V)	Max (nA)	Min (V)
IS3062	Infrared Emitting Diode And Light Activated Zero Crossing Bilateral Switch	10	7.5(pk) 5.3(rms)	50	6	300	600
IS3063		5					
IS3080		30					800
IS3081		15					
IS3082		10					
IS3083		5					
IS620		30					400
IS621		15					
IS622		10					
IS623		5					
MOC3030		30					250
MOC3031		15					
MOC3032		10					
MOC3033		5					
MOC3040		30					400
MOC3041		15					
MOC3042		10					
MOC3043		5					
MOC3060		30					600
MOC3061		15					
MOC3062		10					
MOC3063		5					
MOC3080		30					800
MOC3081		15					
MOC3082		10					
MOC3083		5					

## Random Phase Triac



## Zero Crossing Triac



# 4 Pin Mini Flat Package

## Transistor Output

Part Number	Features	Current Transfer Ratio $I_F = 5\text{mA}$ $V_{CE} = 5\text{V}$	Isolation Voltage	Continuous Forward Current	$V_F$ $I_F = 20\text{mA}$	$BV_{CEO}$ $I_C = 0.5\text{mA}$	$I_{CEO(\text{Dark})}$ $V_{CE} = 20\text{V}$	$V_{CE(\text{SAT})}$ $I_F = 20\text{mA}$ $I_C = 1\text{mA}$
		Min (%)	Min (KV <sub>RMS</sub> )	Max (mA)	Max (V)	Min (V)	Max (nA)	Max (V)
IS121	Single channel Optocoupler with a Phototransistor Output	50-600	3.75	50	1.4	35	100	0.2
IS181								
IS2701-1								
IS357								
IS357A								
IS357B								
IS357C								
IS357D								

## AC Input

Part Number	Features	Current Transfer Ratio $I_F = \pm 1\text{mA}$ $V_{CE} = 5\text{V}$	Isolation Voltage	Continuous Forward Current	$V_F$ $I_F = \pm 20\text{mA}$	$BV_{CEO}$ $I_C = 0.1\text{mA}$	$I_{CEO(\text{Dark})}$ $V_{CE} = 20\text{V}$	$V_{CE(\text{SAT})}$ $I_F = \pm 20\text{mA}$ $I_C = 1\text{mA}$
		Min (%)	Min (KV <sub>RMS</sub> )	Max (mA)	Max (V)	Min (V)	Max (nA)	Max (V)
IS126	Single channel Optocoupler with two infrared LED's wired in inverse parallel allowing operation with AC input voltage	20-400	3.75	$\pm 50$	1.4	35	100	0.2
IS2705-1								
IS354								
IS354A								

## Darlington Output

Part Number	Features	Current Transfer Ratio $I_F = 1\text{mA}$ $V_{CE} = 2\text{V}$	Isolation Voltage	Continuous Forward Current	$V_F$ $I_F = 20\text{mA}$	$BV_{CEO}$ $I_C = 0.1\text{mA}$	$I_{CEO(\text{Dark})}$ $V_{CE} = 20\text{V}$	$V_{CE(\text{SAT})}$ $I_F = 20\text{mA}$ $I_C = 1\text{mA}$
		Min (%)	Min (KV <sub>RMS</sub> )	Max (mA)	Max (V)	Min (V)	Max ( $\mu\text{A}$ )	Max (V)
IS355	Single channel Optocoupler with a Photo-Darlington Transistor	600-7500	3.75	50	1.4	35	1	1
IS2702-1								

## Darlington Output - High Voltage

Part Number	Features	Current Transfer Ratio $I_F = 1\text{mA}$ $V_{CE} = 2\text{V}$	Isolation Voltage	Continuous Forward Current	$V_F$ $I_F = 10\text{mA}$	$BV_{CEO}$ $I_C = 0.1\text{mA}$	$I_{CEO(\text{Dark})}$ $V_{CE} = 200\text{V}$	$V_{CE(\text{SAT})}$ $I_F = 20\text{mA}$ $I_C = 100\text{mA}$
		Min (%)	Min (KV <sub>RMS</sub> )	Max (mA)	Max (V)	Min (V)	Max (nA)	Max (V)
IS2732-1	Single channel Optocoupler with a Photo-Darlington Transistor with a high operating voltage	1000	3.75	50	1.4	300	200	1.2
IS452								
IS127								