

IN-LINE PACKAGES

Four pins per channel with in line LED's and Transistors

Part Number	Features	Current Transfer Ratio I _F = 5mA (%)	Isolation Test Voltage V RMS	Continuous Forward Current Max (mA)	VBR LED I _R = 10 _{LL} A Min (V)	BV _{CEO} I _C = 1mA Min (V)	I _{CEO} (Dark) V _{CE} = 24V Max (nA)	V _{CE} (Sat) I _F = 8mA I _C = 2.4mA Max (V)	Schematic No.	Package No.
ISP321-1	Optically Coupled pair with infrared LED, Emitter and NPN Silicon Photo Transistor	50 - 600 CTR Selection Available "GB" 100% Min "BL" 200% Min	5000	50	5	80	100	0.4	29	12
ISP621-1			55							
ISP521-1			2500			0.2 (I _F = 20mA) (I _C = 1mA)				
ISP817			5000					35		
ISP321-2	Two Isolators in one Package Independently Isolated from each other		5000			80		0.4	28	13
ISP621-2			55							
ISP521-2			2500			0.2 (I _F = 20mA) (I _C = 1mA)				
ISP827			5000							
ISP321-4	Four Isolators in one Package Independently Isolated from each other		5000			80		0.4	27	14
ISP621-4			55							
ISP521-4			2500			0.2 (I _F = 20mA) (I _C = 1mA)				
ISP847			5000							

AC Input

Single Channel, 6 and 4 Pin DIP

Part Number	Features	Current Transfer Ratio Min $I_F = \pm 10\text{mA}$	Isolation Breakdown Voltage V (RMS)	Continuous Forward Current Max (mA)	V_F LED $I_F = \pm 10\text{mA}$ Max (V)	BV_{CEO} $I_C = 1\text{mA}$ Min (V)	I_{CEO} (Dark) $V_{CE} = 10\text{V}$ Max (nA)	V_{CE} (Sat) $I_F = \pm 10\text{mA}$ $I_C = 0.5\text{mA}$ Max (V)	Schematic No.	Package No.
H11AA4	Optically Coupled pair with two Infrared LED Emitter connected in Inverse Parallel and a NPN Transistor	100	2500	60	1.5	30	100	0.4	32	3
H11AA3		50								
H11AA2		10								
H11AA1		20								
CNY35		10								
IS604		50								
ISP814 NEW		20 ($I_F = \pm 20\text{mA}$)	5000	50	1.4 ($I_F = \pm 20\text{mA}$)	35	100 ($V_{CE} = 20\text{V}$)	0.2 ($I_F = \pm 20\text{mA}$) ($I_C = 1\text{mA}$)	34	12

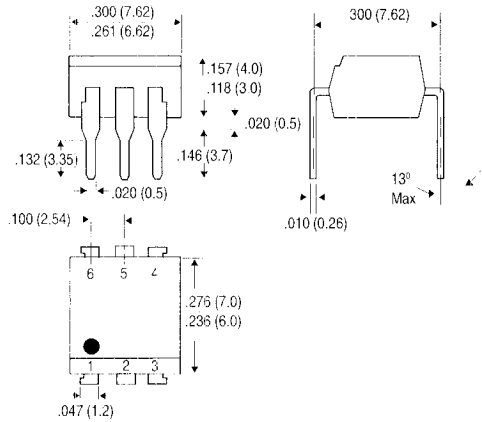
Schmitt Trigger

Single Channel DIP, Microprocessor Compatible

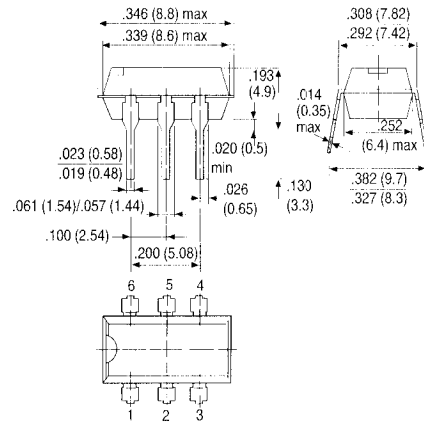
Part Number	Features	Turn-on Threshold Current $R_L = 270\Omega$ $V_{CC} = 5\text{V}$ Max (mA)	Isolation Breakdown Voltage V (RMS)	Continuous Forward Current Max (mA)	VBR LED $I_R = 10\mu\text{A}$ Max (V)	Turn-off Threshold Current $R_L = 270\Omega$ $V_{CC} = 5\text{V}$ Min (V)	Output Voltage $R_L = 270\Omega$ $V_{CC} = 5\text{V}$ Max (V)	Schematic No.	Package No.
H11L1	Optically Coupled pair with Infrared LED Emitter & Microprocessor Compatible Schmitt Trigger	1.6	5000	60	3	0.3	0.4	9	1
H11L2		10.0							
H11L3		5.0							
H11L4		2.0							
IS609		1.6							

Coupler Package Drawings

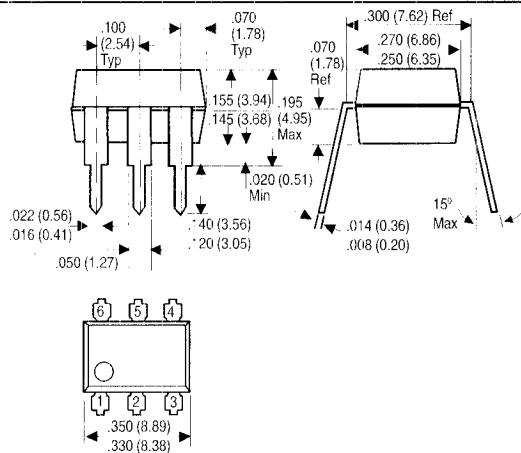
1



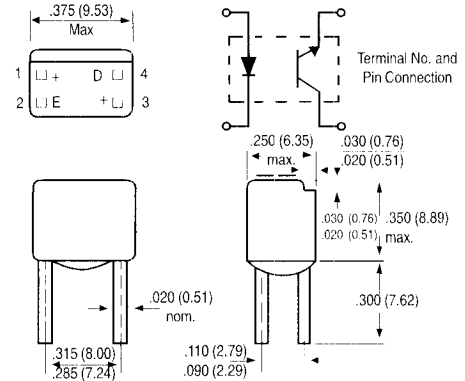
2



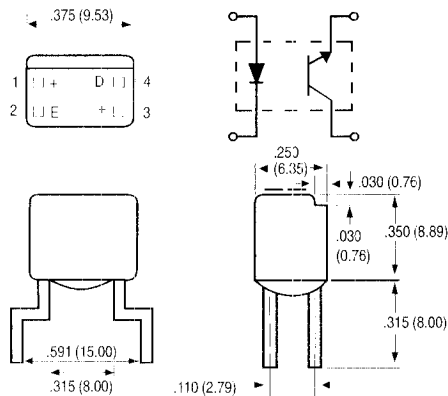
3



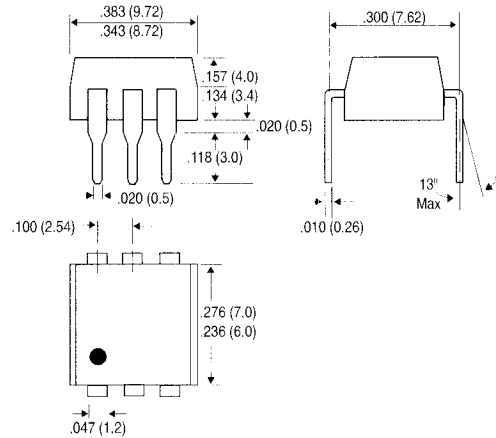
4



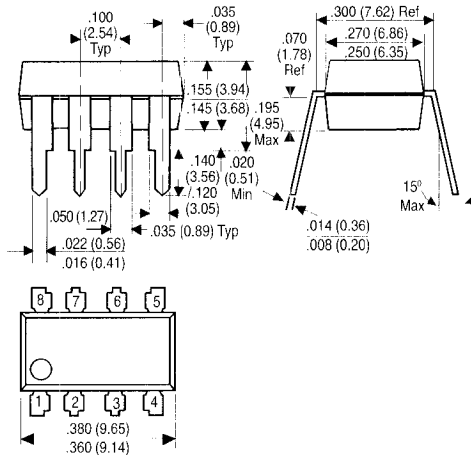
5



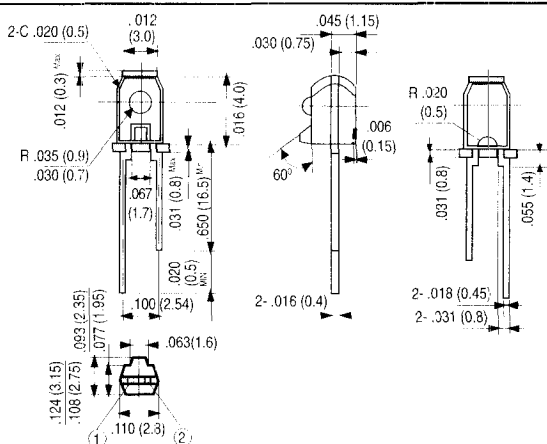
6



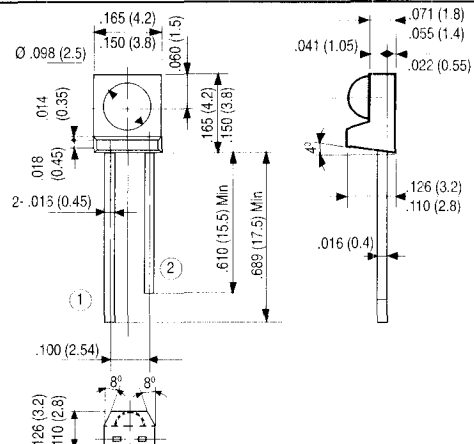
7



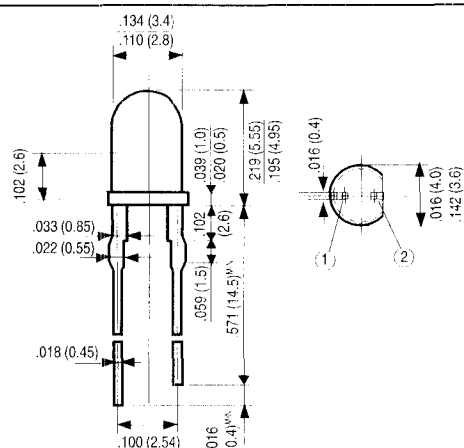
8



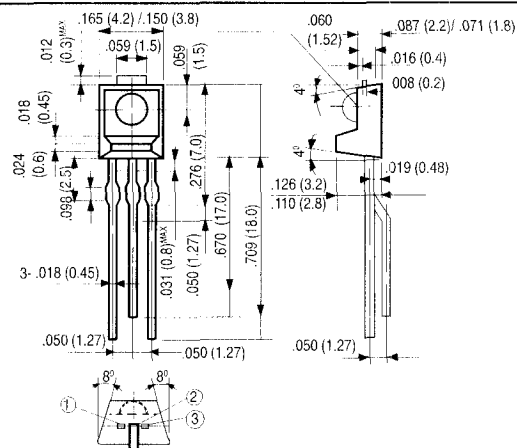
9



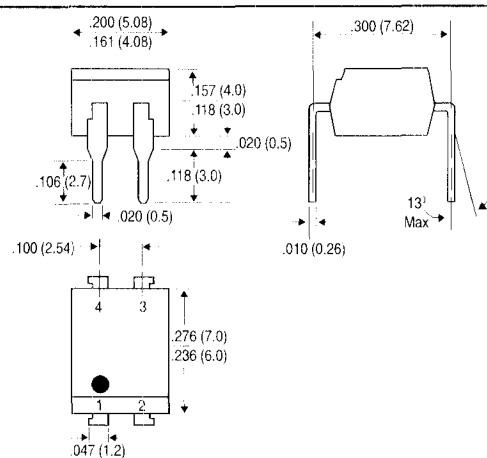
10



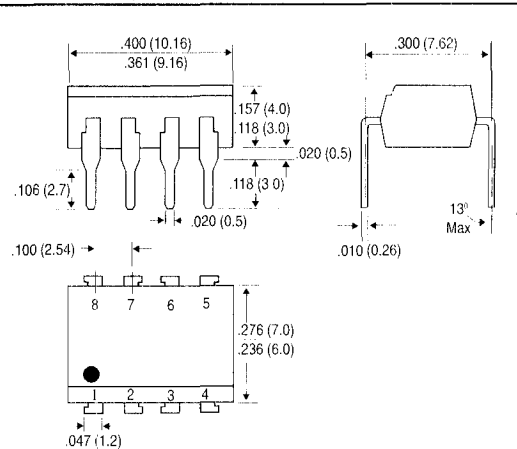
11



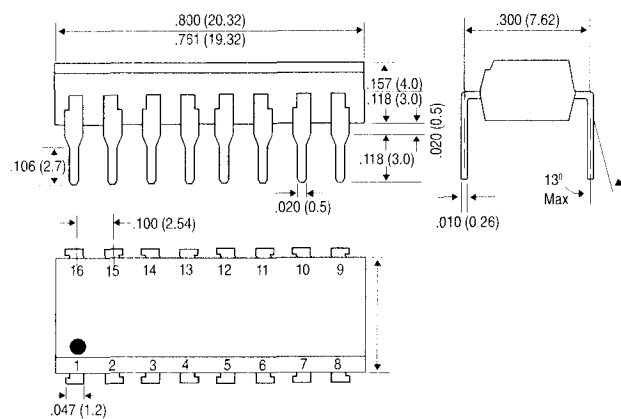
12



15



14



Coupler Schematics

