

Photo Transistor

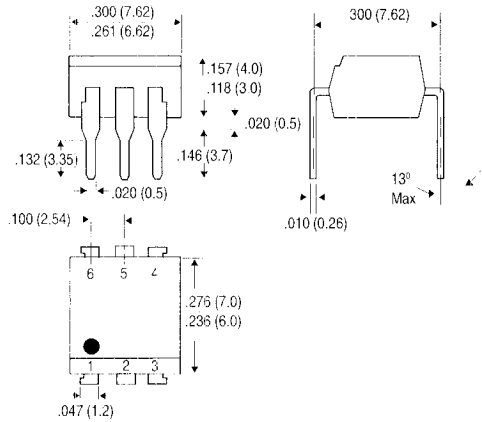
Photo Transistor - Safety Approvals, VDE 0884, BSI, SETI and UL *Note 1

Part Number	Features	Current Transfer Ratio Min (%)	CTR Test Conditions	Isolation Test Voltage KV	Continuous Forward Current Max (mA)	BV _{CEO} I _C = 1mA Min (V)	I _{CEO} (Dark) V _{CE} = 10V Max (nA)	V _{CE} (Sat) Max (V)	Schematic No.	Package No.						
4N25	Optically Coupled pair with Infrared Emitter and Photo Transistor Detector Base Lead Connected	20	I _F = 10mA V _{CE} = 10V	3.3 rms	80	30	50	0.5 (I _F = 50mA) (I _C = 2mA)	5	2						
4N26																
4N27		10														
4N28																
4N35		100														
4N36																
4N37																
4N38		20	I _F = 20mA V _{CE} = 1V		80	80	50	1.0 (I _F = 20mA) (I _C = 4mA)								
4N38A								0.4 (I _F = 10mA) (I _C = 4mA)								
CNX72A		40	I _F = 10mA V _{CE} = 0.4V	5.3 d.c.	100	30		0.4 (I _F = 10mA) (I _C = 4mA)								
CNY17-1		40 - 80	I _F = 10mA V _{CE} = 5V	4.4 d.c.		70					0.4 (I _F = 10mA) (I _C = 2.5mA)					
CNY17-2		63 - 125														
CNY17-3		100 - 200														
CNY17-4		160 - 320														
CNY17-5		200 - 400														
CNY75A		63 - 125 15	Higher CTR figures I _F = 10mA V _{CE} = 5V	5.3 d.c.	60		90	150			0.3 (I _F = 10mA) (I _C = 1mA)					
CNY75B		100 - 200 30														
CNY75C		160 - 320 60	Lower CTR figures I _F = 1mA V _{CE} = 5V													
CQY80		50					I _F = 10mA V _{CE} = 5V	30				200				
H11AV1 NEW		100 - 300	I _F = 10mA V _{CE} = 10V	3.75 rms			70	50			0.4 (I _F = 20mA) (I _C = 2mA)					
H11AV2 NEW		50														
H11AV3 NEW		20														
IS201		75 10	Higher CTR figures I _F = 10mA V _{CE} = 10V	5.0 d.c.							30	50	0.4 (I _F = 10mA) (I _C = 2mA)			
IS202		125 - 250 30														
IS203		225 - 450 50	Lower CTR figures I _F = 1mA V _{CE} = 10V													
IS204		200 - 400 100			70	0.4 (I _F = 10mA) (I _C = 2.5mA)										
MOC8100		50 30 (0 - 70°C)	I _F = 1mA V _{CE} = 5V	7.5 pk			30				0.5 (I _F = 1mA) (I _C = 0.1mA)					

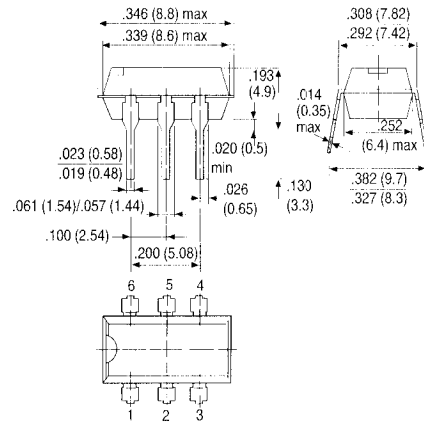
* Note 1: To obtain a product tested to the above four safety approvals add "X" after basic type number e.g. 4N35X.
To obtain 10mm lead spread add suffix "G" after full type number e.g. 4N35XG.

Coupler Package Drawings

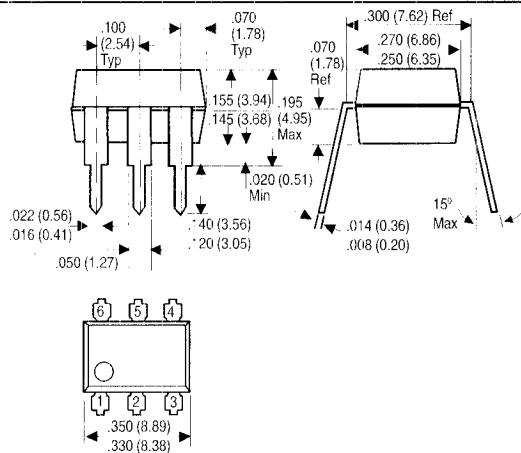
1



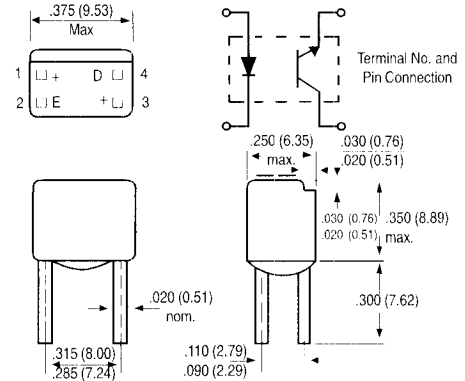
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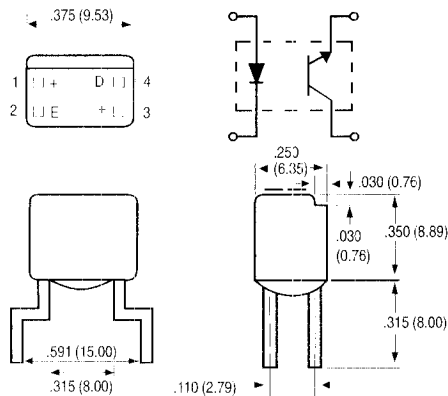
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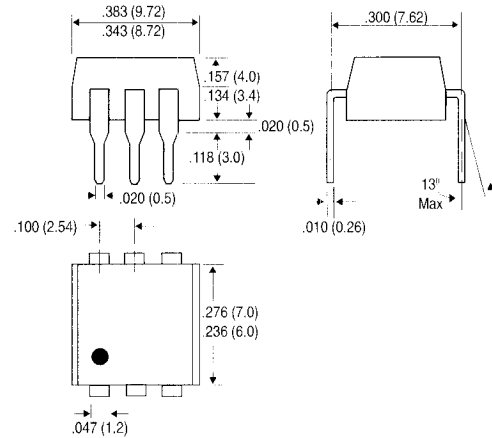
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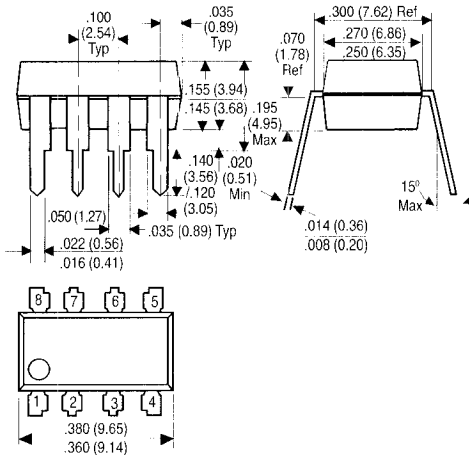
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6



7



Coupler Schematics

