

Photo Transistor

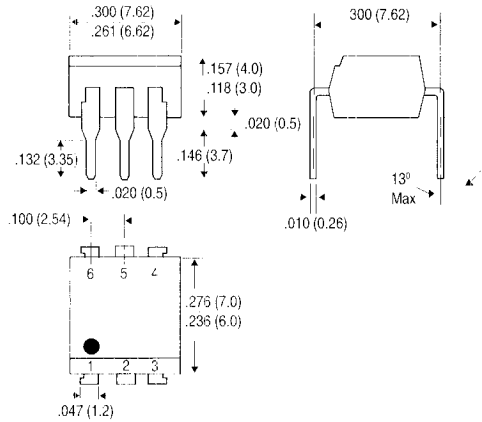
Photo Transistor - Safety Approvals, VDE 0884, BSI, SETI and UL *Note 1

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			60		100	0.3 (I _F = 10mA) (I _c = 0.5mA)											
4N28																			
4N35		100	80	80		50	1.0 (I _F = 20mA) (I _c = 4mA)												
4N36																			
4N37		20			100	30	50	0.4 (I _F = 10mA) (I _c = 4mA)											
4N38																			
4N38A		40	I _F = 20mA V _{CE} = 1V	5.3 d.c.	100	30	50	0.4 (I _F = 10mA) (I _c = 4mA)											
CNX72A																			
CNY17-1		40 - 80	I _F = 10mA V _{CE} = 5V	4.4 d.c.	60	70	150	0.3 (I _F = 10mA) (I _c = 1mA)											
CNY17-2		63 - 125																	
CNY17-3		100 - 200																	
CNY17-4		160 - 320																	
CNY17-5		200 - 400	Higher CTR figures I _F = 10mA V _{CE} = 5V	5.3 d.c.	60	90	200	0.4 (I _F = 20mA) (I _c = 2mA)											
CNY75A		63 - 125 15																	
CNY75B		100 - 200 30	Lower CTR figures I _F = 1mA V _{CE} = 5V	5.0 d.c.	30	70	50	0.4 (I _F = 10mA) (I _c = 2.5mA)											
CNY75C		160 - 320 60																	
CQY80		50	I _F = 10mA V _{CE} = 5V	3.75 rms	70	50	50	0.4 (I _F = 20mA) (I _c = 2mA)											
H11AV1 NEW		100 - 300	I _F = 10mA V _{CE} = 10V																
H11AV2 NEW		50																	
H11AV3 NEW		20	Higher CTR figures I _F = 10mA V _{CE} = 10V	5.0 d.c.	30	70	50	0.4 (I _F = 10mA) (I _c = 2.5mA)											
IS201		75 10																	
IS202		125 - 250 30	Lower CTR figures I _F = 1mA V _{CE} = 10V																
IS203		225 - 450 50																	
IS204		200 - 400 100	I _F = 1mA V _{CE} = 5V	7.5 pk	30	30	50	0.4 (I _F = 10mA) (I _c = 2.5mA)											
MOC8100		50 30 (0 - 70°C)																	

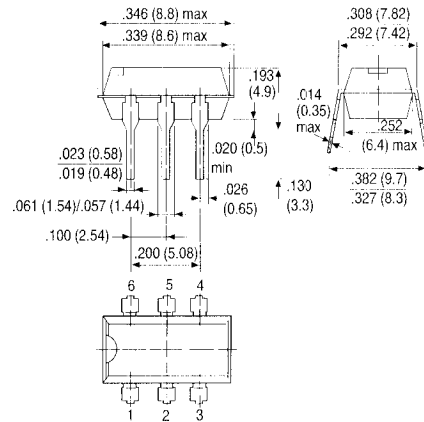
* Note 1: To obtain a product tested to the above four safety approvals add "X" after basic type number e.g. 4N35X.
To obtain 10mm lead spread add suffix "G" after full type number e.g. 4N35XG.

Coupler Package Drawings

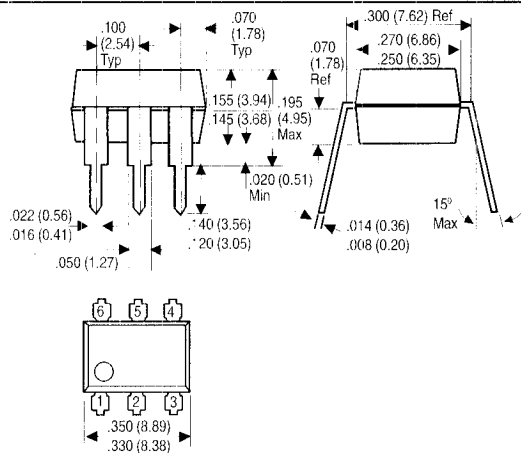
1



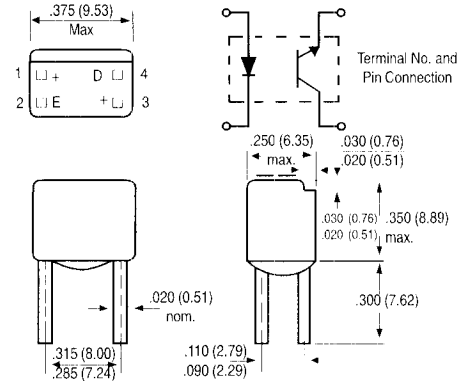
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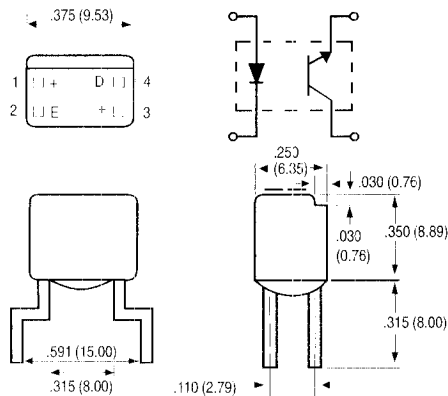
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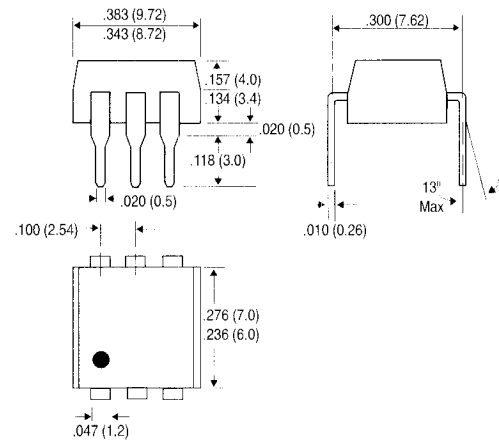
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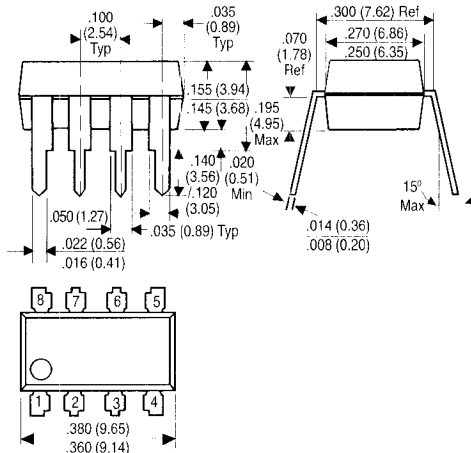
5



6



7



8



Coupler Schematics

