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PHOTOTRANSISTORS

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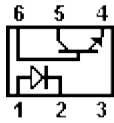
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Optically Coupled pair with IR LED emitter and NPN/(*HIIDx*: High Voltage) Silicon Photo Transistor

For High Reliability Ceramic with this Circuit: [CS200](#), [CS201](#), [CS202](#)

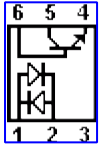
Part	Current Transfer Ratio Min (-Max)	Isolation Breakdown Voltage DC	Continuous Forward Current Max	PIV LED Min	BV _{ceo} Min	I _{ceo} (Dark) Max	V _{ce} Sat Max
	CTR I _f =10mA I _f =1mA	BrViso	I _f	PIV 10 mA	BV _{ceo} 1 mA	I _{ceo} (dark) V _{ce} =10V	V _{ce} (sat) I _f =10mA, I _c =2mA
IS201	75 % 10 %	5000 V	60 mA	3 V	30 V	50 nA	0.4 V
IS202	125-250 % 30 %						
IS203	225-450 % 50 %						
	CTR I _f =10mA V _{ce} =10V	BrViso	I _f	PIV 10mA	BV _{ceo} 1mA	I _{ceo} (dark) V _{ce} =10V	V _{ce} (sat) I _f =50mA, I _c =2mA
4N25	20 % 10 %	2500 V	80 mA	3 V (100 mA)	30 V	50 nA	0.5 V
4N26		1500 V					
4N27		500 V					
4N28							
4N35		3550 V					

4N36	100 %	2500 V	60 mA	6 V	30 V		0.3 V				
4N37		1500 V				50 nA					
4N38	20 %	1500 Vpk	80 mA	3 V	80 V		1.0 V				
4N38A		2500 Vpk					(If=20mA, Ic=4mA)				
	CTR If=10mA	BrViso	If	PIV 10mA	BVceo 1mA	Iceo(dark) Vce=10V	Vce(sat) If=16mA, Ic=2mA				
IS1	20 %	3500 V	60 mA	3.0 V	30 V	50 nA	0.5 V				
IS5	50 %						(Ic=1.5mA)				
IS74	12.5 % (If=16mA)						(Ic=0.5mA)				
MCT2	20 %					100 nA					0.4 V
MCT2E	50 %										
TIL111	12.5 % (If=16mA Vce=0.4V)										0.4V (If=10mA)
TIL114	50 %										0.4V (If=16mA Ic=2mA)
TIL116	(If=16mA Vce=0.4V)										
TIL117											
H11A1	50 %	50 nA					0.4 V				
H11A2	20 %						(If=10mA, Ic=0.5mA)				
H11A3	10 %						100 n				
	CTR If=10mA	BrViso	If	Fwd V If=10mA	BVceo 1mA, Rbe=1Mohm	Iceo(dark) Vce=100V	Vce(sat) If=10mA Ic=0.5mA				
H11D1	20 %	7500 V	60 mA	1.5 V	300 V	100 nA (Vce=200V)	0.4 V				
H11D2		5300 V									
H11D3											
H11D4	10 %				200 V	100 nA					
	CTR If=10mA Vce=10V	BrViso	If	PIV Ir=10mA	BVceo 1mA	Iceo(dark) Vce=10V	Vce(sat) If=10mA Ic=0.5mA				
H11AV1X	100-300%	4000 Vrms	60 mA		70 V	50 nA	0.4 V (If=20mA Ic=2mA)				
H11AV2X	50 %										
H11AV3X	20 %										
IS614	15 %	4000 Vrms	60 mA		40 V	50 nA					
IS615	50 %										
H24A1	100 %	5300 Vpeak		3.0 V	30 V	100 nA	0.4 V				
H24A2	20 %										
	CTR If=10mA Vce=5V	BrViso	If	Fwd V 100mA	BVceo 1mA	Iceo(dark) Vce=10V	Vce(sat) If=10 mA Ic=2.5mA				
CNY17-1	40-80 %										
CNY17-2	63-125 %										

CNY17-3	100-200 %	4400 V	60 mA	6 V	70 V	50 nA	0.4 V
CNY17-4	160-320 %						
CNY17-5	200-400 %						
SFH600-0	40-80 %						
SFH600-1	63-125 %					35 nA	
SFH600-2	100-200 %	2800 V	60 mA	6 V	70 V		0.4 V
SFH600-3	160-320 %					70 nA	
SFH600-4	200-400 %						
SFH601-1	40-80 %					50 nA	
SFH601-2	63-125 %						
SFH601-3	100-200 %	5300 V	60 mA	6 V	70 V		0.4 V
SFH601-4	160-320 %					100 nA	
SFH601-5	200-400 %						
SFH609-1	40-80 %					50 nA	
SFH609-2	63-125 %	5300 V	60 mA	6.0 V	90 V		0.4 V
SFH609-3	100-200 %					100 nA	

With same circuit: [CNX35](#), [CQ680](#)

Similar Circuits



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