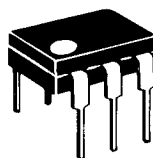


Optoisolators (continued)



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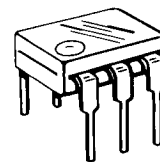


Table 34. Transistor Output with No Base Connection

Device	Current Transfer Ratio (CTR)			V_{ISO} Vac (Pk)	$V_{CE(sat)}$			$t_r, t_f/t_{on}, t_{off}^*$ Typ					$V_{(BR)CEO}$ Volts Min	V_F	
	% Min	@ I_F mA	V_{CE} Volts		Volts Max	@ I_F mA	I_C mA	t_r, t_f μs	@ I_C mA	V_{CC} Volts	R_L Ω	I_F mA		Volts Max	@ I_F mA
MOC8101	50	10	10		0.4	5	0.5	3.2/4.7	2	10	100		30	1.5	10
MOC8102	73	10	10		0.4	5	0.5	3.2/4.7	2	10	100		30	1.5	10
MOC8103	108	10	10		0.4	5	0.5	3.2/4.7	2	10	100		30	1.5	10
MOC8104	160	10	10		0.4	5	0.5	3.2/4.7	2	10	100		30	1.5	10
MOC8111	20	10	10		0.4	10	0.5	20*m	2*	10*	100*		30	1.5	10
MOC8112	50	10	10		0.4	10	0.5	20*m	2*	10*	100*		30	1.5	10
MOC8113	100	10	10		0.4	10	0.5	20*m	2*	10*	100*		30	1.5	10

Table 35. AC Input — Transistor Output

H11AA1	20	± 10	10	2500	0.4	± 10	0.5						30	1.5	± 10
H11AA2	10	± 10	10	2500	0.4	± 10	0.5						30	1.8	± 10
H11AA3	50	± 10	10	2500	0.4	± 10	0.5						30	1.5	± 10
H11AA4	100	± 10	10	2500	0.4	± 10	0.5						30	1.5	± 10

Table 36. Darlington Output

4N31	50	10	10	1500	1.2	8	2	2*/25*	50*	10*		200*	30	1.5	10
4N29,A	100	10	10	2500	1	8	2	2*/25*	50*	10*		200*	30	1.5	10
4N30	100	10	10	1500	1	8	2	2*/25*	50*	10*		200*	30	1.5	10
H11B3	100	1	5	2500	1	1	1	125*/100*	10*	10*	100*		25	1.5	50
H11B255	100	10	5	1500	1	50	50	125*/100*	10*	10*	100*		55	1.5	20
MCA230	100	10	5	4000(D)	1	50	50	10/35		10	100	50	30	1.5	20
MCA255	100	10	5	4000(D)	1	50	50	10/35		10	100	50	55	1.5	20
H11B2	200	1	5	2500	1	1	1	125*/100*	10*	10*	100*		25	1.5	10
MCA231	200	1	1	4000(D)	1.2	10	50	80	10	10	100		30	1.5	20
TIL113	300	10	1	1500	1	50	125	300	125	15	100		30	1.5	10
TIL127	300	10	1	5000	1	50	125	300	125	15	100		30	1.5	10
4N32,A	500	10	10	2500	1	8	2	2*/60*	50*	10*		200*	30	1.5	10
4N33	500	10	10	1500	1	8	2	2*/60*	50*	10*		200*	30	1.5	10
H11B1	500	1	5	2500	1	1	1	125*/100*	10*	10*	100*		25	1.5	10
MOC8080	500	10	5	7500	1	1	1	35*/95*		10*	100*	5*	55	1.5	10

Table 37. Darlington Output with No Base Connection

MOC119	300	10	2		1	10	10	10/50	2.5	10	100		30	1.5	10
TIL119	300	10	2	1500	1	10	10	300	2.5	10	100		30	1.5	10
MOC8030	300	10	1.5					13*/60*		50*	100*	10*	80	2	10
MOC8020	500	10	5					13*/60*		50*	100*	10*	50	2	10
MOC8050	500	10	1.5					13*/60*		50*	100*	10*	80	2	10
MOC8021	1000	10	5					13*/60*		50*	100*	10*	50	2	10

Table 38. Resistor-Darlington Output

H11G1	1000	10	1	3535	1	1	1	5/100		5	100	10	100	1.5	10
H11G2	1000	10	1	3535	1	1	1	5/100		5	100	10	80	1.5	10
H11G3	200	1	5	2125	1.2	50	20	5/100		5	100	10	55	1.5	10

(R) = RMS (D) = DC * t_{on}, t_{off}