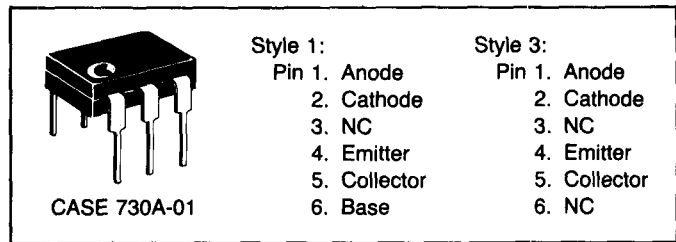


OPTOELECTRONICS — COUPLERS/ISOLATORS
(continued)



Transistor Output with No Base Connection — Style 3

Device	Current Transfer Ratio (CTR)			V _{ISO} Volts ac Peak		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	Industry	Motorola	Volts Max @ I _F mA	I _C mA	I _C mA	μs @ I _C mA	V _{CC} Volts	R _L Ω	I _F mA		Volts @ I _F Max mA		
TIL118	10	10	5.0	1500	7500	0.5	50	2.0	2.0	2.0	10	100		20	1.5	10
MOC8111	20	10	10		7500	0.4	10	0.5	20*m	2.0*	10*	100*		30	1.5	10
MOC8112	50	10	10		7500	0.4	10	0.5	20*m	2.0*	10*	100*		30	1.5	10
MOC8113	100	10	10		7500	0.4	10	0.5	20*m	2.0*	10*	100*		30	1.5	10

Darlington Output — Style 1

4N31	50	10	10	1500	7500	1.2	8.0	2.0	2*/25*	50*	10*		200*	30	1.5	10
4N29,A	100	10	10	2500	7500	1.0	8.0	2.0	2*/25*	50*	10*		200*	30	1.5	10
4N30	100	10	10	1500	7500	1.0	8.0	2.0	2*/25*	50*	10*		200*	30	1.5	10
H11B3	100	1.0	5.0	2500	7500	1.0	1.0	1.0	125*/100*	10*	10*	100*		25	1.5	50
H11B255	100	10	5.0	1500	7500	1.0	50	50	125*/100*	10*	10*	100*		55	1.5	20
MCA230	100	10	5.0	4000(D)	7500	1.0	50	50	10/35		10	100	50	30	1.5	20
MCA255	100	10	5.0	4000(D)	7500	1.0	50	50	10/35		10	100	50	55	1.5	20
H11B2	200	1.0	5.0	2500	7500	1.0	1.0	1.0	125*/100*	10*	10*	100*		25	1.5	10
MCA231	200	1.0	1.0	4000(D)	7500	1.2	10	50	80	10	10	100		30	1.5	20
TIL113	300	10	1.0	1500	7500	1.0	50	125	300	125	15	100		30	1.5	10
TIL127	300	1.0	5000	7500	7500	1.0	50	125	300	125	15	100		30	1.5	10
TIL156	300	10	1.0	3535	7500	1.0	50	125	300	125	15	100		30	1.5	10
4N32,A	500	10	10	2500	7500	1.0	8.0	2.0	2*/60*	50*	10*		200*	30	1.5	10
4N33	500	10	10	1500	7500	1.0	8.0	2.0	2*/60*	50*	10*		200*	30	1.5	10
H11B1	500	1.0	5.0	2500	7500	1.0	1.0	1.0	125*/100*	10*	10*	100*		25	1.5	10

Darlington Output with No Base Connection — Style 3

MOC119	300	10	2.0		7500	1.0	10	10	10/50	2.5	10	100		30	1.5	10
TIL119	300	10	2.0	1500	7500	1.0	10	10	300	2.5	10	100		30	1.5	10
TIL128	300	10	2.0	5000	7500	1.0	10	10	300	2.5	10	100		30	1.5	10
TIL157	300	10	2.0	3535	7500	1.0	10	10	300	2.5	10	100		30	1.5	10
MOC8030	300	10	1.5		7500				13*/60*	50*	100*	10*		80	2.0	10
MOC8020	500	10	5.0		7500				13*/60*	50*	100*	10*		50	2.0	10
MOC8050	500	10	1.5		7500				13*/60*	50*	100*	10*		80	2.0	10
MOC8021	1000	10	5.0		7500				13*/60*	50*	100*	10*		50	2.0	10

Resistor-Darlington Output — Style 1

H11G1	1000	10	1.0	3535	7500	1.0	1.0	1.0	5.0/100		5.0	100	10	100	1.5	10
H11G2	1000	10	1.0	3535	7500	1.0	1.0	1.0	5.0/100		5.0	100	10	80	1.5	10
H11G3	200	1.0	5.0	2125	7500	1.2	50	20	5.0/100		5.0	100	10	55	1.5	10

High Voltage Transistor Output — Style 1

MOC8204	20	10	10		7500	0.4	10	0.5	5.0*	2.0*	10*	100*		400	1.5	10
MOC8205	10	10	10		7500	0.4	10	0.5	5.0*	2.0*	10*	100*		400	1.5	10
MOC8206	5.0	10	10		7500	0.4	10	0.5	5.0*	2.0*	10*	100*		400	1.5	10
H11D1	20	10	10	3500	7500	0.4	10	0.5	5.0*	2.0*	10*	100*		300	1.5	10
H11D2	20	10	10	2500	7500	0.4	10	0.5	5.0*	2.0*	10*	100*		300	1.5	10
H11D3	20	10	10	2500	7500	0.4	10	0.5	5.0*	2.0*	10*	100*		200	1.5	10
H11D4	10	10	10	2500	7500	0.4	10	0.5	5.0*	2.0*	10*	100*		200	1.5	10
4N38	10	10	10	1500	7500	1.0	20	4.0	0.8/7.0	10	10			80	1.5	10
4N38A	10	10	10	2500	7500	1.0	20	4.0	0.8/7.0	10	10			80	1.5	10
MCT275	70-210	10	10	3000(R)	7500	0.4	16	2.0	4.5*/3.5*	2.0*	5.0*	100*		80	1.5	20

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