

## 6 LEADED DEVICES (continued)

### Transistor Output with No Base Connection

Pinout: 1-Anode, 2-Cathode, 3-N.C., 4-Emitter, 5-Collector, 6-N.C. (Style 3)

Device	Current Transfer Ratio (CTR)		V <sub>CE</sub> Volts	V <sub>CE(sat)</sub>			t <sub>r</sub> /t <sub>f</sub> or t <sub>on</sub> */t <sub>off</sub> * Typ					V <sub>(BR)CEO</sub> Volts Min	V <sub>F</sub>	
	% Min	@ I <sub>F</sub> mA		Volts Max	@ I <sub>F</sub> mA	I <sub>C</sub> mA	μs @ I <sub>C</sub> mA	V <sub>CC</sub> Volts	R <sub>L</sub> Ω	I <sub>F</sub> mA	Volts Max		@ I <sub>F</sub> mA	
MOC8101S,F	50-80	10	10	0.4	5	0.5	3.2/4.7	2	10	100		30	1.5	10
<b>MOC8102S,F</b>	73-117	10	10	0.4	5	0.5	3.2/4.7	2	10	100		30	1.5	10
<b>MOC8103S,F</b>	108-173	10	10	0.4	5	0.5	3.2/4.7	2	10	100		30	1.5	10
<b>MOC8104S,F</b>	160-256	10	10	0.4	5	0.5	3.2/4.7	2	10	100		30	1.5	10
<b>MOC8111S,F</b>	20	10	10	0.4	10	0.5	3.2/4.7	2	10	100		30	1.5	10
CNX82S,F	40	10	0.4	0.4	10	4	3/3*	2	5	100		50	1.5	10
<b>MOC8112S,F</b>	50	10	10	0.4	10	0.5	3.2/4.7	2	10	100		30	1.5	10
MOC8113S,F	100	10	10	0.4	10	0.5	3.2/4.7	2	10	100		30	1.5	10
MOC8113	100	10	10	0.4	10	0.5	3.2/4.7	2	10	100		30	1.5	10

### AC Input – Transistor Output

Pinout: 1-LED 1 Anode/LED 2 Cathode, 2-LED 1 Cathode/LED 2 Anode, 3-N.C., 4-Emitter, 5-Collector, 6-Base (Style 8)

<b>H11AA1S,F</b>	20	±10	10	0.4	±10	0.5						30	1.5	±10
H11AA2S,F	10	±10	10	0.4	±10	0.5						30	1.8	±10
H11AA3S,F	50	±10	10	0.4	±10	0.5						30	1.5	±10
<b>H11AA4S,F</b>	100	±10	10	0.4	±10	0.5						30	1.5	±10

### Darlington Output

Pinout: 1-Anode, 2-Cathode, 3-N.C., 4-Emitter, 5-Collector, 6-Base (Style 1)

4N31S,F	50	10	10	1.2	8	2	0.6*/17*	50	10		200	30	1.5	10
4N29S,F	100	10	10	1	8	2	0.6*/17*	50	10		200	30	1.5	10
<b>4N30S,F</b>	100	10	10	1	8	2	0.6*/17*	50	10		200	30	1.5	10
H11B255S,F	100	10	5	1	50	50	125*/100*	10	10	100		55	1.5	20
MCA230S,F	100	10	5	1	50	50	10/35		10	100	50	30	1.5	20
MCA255S,F	100	10	5	1	50	50	10/35		10	100	50	55	1.5	20
<b>H11B2S,F</b>	200	1	5	1	1	1	1/2	10	10	100		25	1.5	10
MCA231S,F	200	1	1	1.2	10	50	80	10	10	100		30	1.5	20
TIL113S,F	300	10	1.25	1	50	125	300	125	15	100		30	1.5	10
<b>4N32S,F</b>	500	10	10	1	8	2	0.6*/45*	50	10		200	30	1.5	10
4N33S,F	500	10	10	1	8	2	0.6*/45*	50	10		200	30	1.5	10
<b>H11B1S,F</b>	500	1	5	1	1	1	1/2	10	10	100		25	1.5	10
MOC8080S,F	500	10	5	1	1	1	1/2	10	10	100	5	55	1.5	10

### Darlington Output with No Base Connection

Pinout: 1-Anode, 2-Cathode, 3-N.C., 4-Emitter, 5-Collector, 6-N.C. (Style 3)

MOC119S,F	300	10	2	1	10	10	1/2	2.5	10	100		30	1.5	10
TIL119S,F	300	10	2	1	10	10	300	2.5	10	100		30	1.5	10
<b>MOC8030S,F</b>	300	10	1.5				1/2		50	100	10	80	2	10
MOC8020S,F	500	10	5				1/2		50	100	10	50	2	10
<b>MOC8050S,F</b>	500	10	1.5				1/2		50	100	10	80	2	10
MOC8021S,F	1000	10	5				1/2		50	100	10	50	2	10

For Surface Mountable standard leadform, Order "S" suffix devices; e.g., MOC3043S.

For low profile Surface Mountable leadform, Order "F" suffix devices; e.g., MOC5007F.

For 24 mm Tape and Reel, add R2 suffix to the 6-pin optoisolator part number; e.g., H11A1SR2. (See Tape and Reel Specifications Section for more information)

See Packaging Information under Technical Data Section for reel size, quantity and ordering information.

Devices listed in bold, italic are Motorola preferred devices.