

6 LEADED DEVICES (continued)

Resistor Darlington Output

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

Device	Current Transfer Ratio (CTR)			$V_{CE(sat)}$			t_r/t_f or t_{on^*}/t_{off^*}					$V_{(BR)CEO}$	V_F		
	%			Volts			Typ					Volts			
	Min	@	I_F mA	V_{CE} Volts	Max	@ I_F mA	I_C mA	μs	@ I_C mA	V_{CC} Volts	R_L Ω	I_F mA	Min	Max	@ I_F mA
H11G1S,F	1000		10	1	1	1	1	5*/100*		5	100	10	100	1.5	10
H11G2S,F	1000		10	1	1	1	1	5*/100*		5	100	10	80	1.5	10
H11G3S,F	200		1	5	1.2	50	20	5*/100*		5	100	10	55	1.5	10

High Voltage Transistor Output

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

MOC8204S,F	20	10	10	0.4	10	0.5	5*/5*	2	10	100	400	1.5	10
H11D1S,F	20	10	10	0.4	10	0.5	5*/5*	2	10	100	300	1.5	10
H11D2S,F	20	10	10	0.4	10	0.5	5*/5*	2	10	100	300	1.5	10

Triac Driver Output

Pinout: 1-Anode, 2-Cathode, 3-N.C., 4-Main Terminal, 5-Substrate, 6-Main Terminal (Style 6)

Device	Peak Blocking Voltage Min	LED Trigger Current- I_{FT} ($V_{TM} = 3 V$) mA Max	Zero Crossing Inhibit Voltage (at rated I_{FT}) Volts Max	Operating Voltage Vac Pk	dv/dt V/ μs Typ
MOC3009S,F	250	30	—	125	10
MOC3010S,F	250	15	—	125	10
MOC3011S,F	250	10	—	125	10
MOC3012S,F	250	5	—	125	10
MOC3020S,F	400	30	—	125/280	10
MOC3021S,F	400	15	—	125/280	10
MOC3022S,F	400	10	—	125/280	10
MOC3023S,F	400	5	—	125/280	10
MOC3031S,F	250	15	20	125	2000
MOC3032S,F	250	10	20	125	2000
MOC3033S,F	250	5	20	125	2000
MOC3041S,F	400	15	20	125/280	2000
MOC3042S,F	400	10	20	125/280	2000
MOC3043S,F	400	5	20	125/280	2000
MOC3051S,F	600	15	—	125/280	2000
MOC3052S,F	600	10	—	125/280	2000
MOC3061S,F	600	15	20	125/280	1500
MOC3062S,F	600	10	20	125/280	1500
MOC3063S,F	600	5	20	125/280	1500
MOC3081S,F	800	15	20	320/280/125	1500
MOC3082S,F	800	10	20	320/280/125	1500
MOC3083S,F	800	5	20	320/280/125	1500
MOC3162S,F	600	10	15	—	1000
MOC3163S,F	600	5	15	—	1000

Devices listed in bold, italic are Motorola preferred devices.

6 LEADED DEVICES (continued)

Schmitt Trigger Output

Pinout: 1-Anode, 2-Cathode, 3-N.C., 4-Output, 5-Ground, 6-V_{CC} (Style 5)

Device	Threshold Current On mA Max	Threshold Current Off mA Min	I _{F(off)} /I _{F(on)}		V _{CC}		t _n t _f μs Typ
			Min	Max	Min	Max	
H11L1S,F	1.6	0.3	0.5	0.9	3	16	0.1
H11L2S,F	10	0.3	0.5	0.9	3	16	0.1
MOC5007S,F	1.6	0.3	0.5	0.9	3	16	0.1
MOC5008S,F	4	0.3	0.5	0.9	3	16	0.1
MOC5009S,F	10	0.3	0.5	0.9	3	16	0.1

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.