

HIGH HFE M-SERIES DARLINGTON MODULES



COLLMER SEMICONDUCTOR INC

Ratings and Characteristics

Type	Part Number	Ratings and Characteristics													Pkg. No.
		Voltage-Ratings		Collector Current (cont.) I _c (A)	Thermal Resistance R _{TH(J-C)} °C/W(max)		DC Current Gain			Switching Times (T _J =25°C)					
		V _{CEO} (SUS) (V)	V _{CEX} (SUS) (V)		h _{FE} (min)	I _c (A)	V _{CE} (V)	t _{on} μs (max.)	t _s μs (max.)	t _f μs (max.)	I _{B1} (mA)	I _{B2} (A)			
Single Darlington Modules 600V	1DI30MA-050	450	600	30	0.630	-	750	30	2.5	3.0	8.0	2.0	4.0	-0.6	M102
	1DI50MA-050	450	600	50	0.420	-	750	50	2.5	3.0	8.0	2.0	67	-1.0	M102
	1DI100MA-050	450	600	100	0.210	-	1000	100	2.5	3.0	8.0	2.0	100	-2.0	M103
	1DI200MA-050	450	600	200	0.125	0.300	2000	200	2.5	3.0	8.0	2.0	100	-4.0	M104
	1DI300M-050	450	600	300	0.090	0.300	3000	300	2.5	5.5	8.0	2.0	100	-6.0	M109
	1DI400M-050	450	600	400	0.083	0.250	2000	400	2.5	8.5	8.0	2.0	200	-6.0	M109
Dual Darlington Modules 600V	2DI30M-050	450	600	30	0.500	1.600	750	30	2.5	3.0	8.0	3.0	40	-0.6	M208
	2DI50M-050	450	600	50	0.400	1.300	750	50	2.5	3.0	8.0	3.0	67	-1.0	M208
	2DI75M-050	450	600	75	0.350	0.850	750	75	2.5	3.0	8.0	3.0	100	-1.5	M208
	2DI100M-050	450	600	100	0.200	0.800	1000	100	2.5	3.0	8.0	3.0	100	-2.0	M205
	2DI150M-050	450	600	150	0.180	0.600	1500	150	2.5	3.0	8.0	3.0	100	-3.0	M205
	2DI200M-050	450	600	200	0.156	0.500	2000	200	2.5	3.0	8.0	2.0	100	-4.0	M210
Six Pack Darlington Modules 600V	6DI30M-050	450	600	30	0.625	2.000	750	30	2.5	3.0	8.0	3.0	40	-0.6	M607
	6DI50M-050	450	600	50	0.400	1.300	750	50	2.5	3.0	8.0	3.0	67	-1.0	M609
	6DI75M-050	450	600	75	0.350	0.850	750	75	2.5	3.0	8.0	3.0	100	-1.5	M609
	6DI100M-050	450	600	100	0.310	0.800	1000	100	2.5	4.0	8.0	3.0	100	-2.0	M610
SIL Six Pack Darlington Modules 600V	6DI10MS-050	450	600	10	2.500	2.500	100	10	2.0	2.0	8.0	2.0	100	-0.3	M615
	6DI15MS-050	450	600	15	2.100	2.500	150	15	2.5	2.0	8.0	2.0	100	-0.3	M615
	6DI20MS-050	450	600	20	1.560	2.500	200	20	2.5	2.0	8.0	2.0	100	-0.3	M615
Single Darlington Modules 1200V	1DI200M-120	900	1200	200	0.089	0.350	1000	200	4.0	7.0	15.0	3.0	200	-4.0	M106
	1DI300M-120	900	1200	300	0.063	0.300	1500	300	4.0	7.0	15.0	3.0	200	-6.0	M106
	1DI400MN-120	900	1200	400	0.042	0.150	2000	400	4.0	15.0	15.0	3.0	200	-8.0	M118
	1DI400MP-120	900	1200	400	0.042	0.150	2000	400	4.0	15.0	15.0	3.0	200	-8.0	M117
Dual Darlington Modules 1200V	2DI50M-120	900	1200	50	0.400	1.200	500	50	4.0	3.5	15.0	3.0	100	-1.0	M204
	2DI75M-120	900	1200	75	0.250	1.200	750	75	4.0	3.5	15.0	3.0	100	-1.5	M209
	2DI100M-120	900	1200	100	0.156	0.650	1000	100	4.0	7.0	15.0	3.0	100	-2.0	M210
	2DI150M-120	900	1200	150	0.125	0.600	1500	150	4.0	7.0	15.0	3.0	100	-3.0	M210
Six Pack Darlington Modules 1200V	6DI15M-120	900	1200	15	0.800	3.000	150	15	3.0	3.5	15.0	3.0	100	-0.3	M607
	6DI30M-120	900	1200	30	0.400	1.500	300	30	4.0	3.5	15.0	3.0	100	-0.6	M613
	6DI50M-120	900	1200	50	0.400	1.200	500	50	4.0	3.5	15.0	3.0	100	-1.0	M609

