

High h_{FE} M-Series Darlington Modules

Type	Part Number	Ratings and Characteristics											Pkg. No.	
		Voltage Ratings		Collector Current I _C (A)	DC Current Gain (T _J =125°C)			Thermal Resistance R _{TH} (J-C) °C/W Transistor	Switching Time (T _J =25°C)					
		V _{CE0(sus)} (V)	V _{CEX(sus)} (V)		h _{FE} (min)	I _C (A)	V _{CE} (V)		t _{on}	t _s	t _f	I _{B1} (mA)		I _{B2} (A)
Single Darlington Modules 600V	1DI30MA-050	450	600	30	750	30	2.5	0.630	3.0	8.0	2.0	4.0	-0.6	M102
	1DI50MA-050	450	600	50	750	50	2.5	0.420	3.0	8.0	2.0	67	-1.0	M102
	1DI100MA-050	450	600	100	1000	100	2.5	0.210	3.0	8.0	2.0	100	-2.0	M103
	1DI200MA-050	450	600	200	2000	200	2.5	0.125	3.0	8.0	2.0	100	-4.0	M104
	1DI300M-050	450	600	300	3000	300	2.5	0.090	5.5	8.0	2.0	100	-6.0	M109
	1DI400M-050	450	600	400	2000	400	2.5	0.083	8.5	8.0	2.0	200	-6.0	M109
Dual Darlington Modules 600V	2DI30M-050	450	600	30	750	30	2.5	0.500	3.0	8.0	3.0	40	-0.6	M208
	2DI50M-050	450	600	50	750	50	2.5	0.400	3.0	8.0	3.0	67	-1.0	M208
	2DI75M-050	450	600	75	750	75	2.5	0.350	3.0	8.0	3.0	100	-1.5	M208
	2DI100M-050	450	600	100	1000	100	2.5	0.200	3.0	8.0	3.0	100	-2.0	M205
	2DI150M-050	450	600	150	1500	150	2.5	0.180	3.0	8.0	3.0	100	-3.0	M205
	2DI200M-050	450	600	200	2000	200	2.5	0.156	3.0	8.0	2.0	100	-4.0	M210
Six Pack Darlington Modules 600V	6DI30M-050	450	600	30	750	30	2.5	0.625	3.0	8.0	3.0	40	-0.6	M607
	6DI50M-050	450	600	50	750	50	2.5	0.400	3.0	8.0	3.0	67	-1.0	M609
	6DI75M-050	450	600	75	750	75	2.5	0.350	3.0	8.0	3.0	100	-1.5	M609
	6DI100M-050	450	600	100	1000	100	2.5	0.310	4.0	8.0	3.0	100	-2.0	M610
SIL Six Pack Darlington Modules 600V	6DI10MS-050	450	600	10	100	10	2.0	2.500	2.0	8.0	2.0	100	-0.3	M615
	6DI15MS-050	450	600	15	150	15	2.5	2.100	2.0	8.0	2.0	100	-0.3	M615
	6DI20MS-050	450	600	20	200	20	2.5	1.560	2.0	8.0	2.0	100	-0.3	M615
Single Darlington Modules 1200V	1DI200M-120	900	1200	200	1000	200	4	0.089	7.0	15.0	3.0	200	-4.0	M106
	1DI300M-120	900	1200	300	1500	300	4	0.063	7.0	15.0	3.0	200	-6.0	M106
	1DI400MN-120	900	1200	400	2000	400	4	0.042	15.0	15.0	3.0	200	-8.0	M118
	1DI400MP-120	900	1200	400	2000	400	4	0.042	15.0	15.0	3.0	200	-8.0	M117
Dual Darlington Modules 1200V	2DI50M-120	900	1200	50	500	50	4	0.400	3.5	15.0	3.0	100	-1.0	M204
	2DI75M-120	900	1200	75	750	75	4	0.250	3.5	15.0	3.0	100	-1.5	M209
	2DI100M-120	900	1200	100	1000	100	4	0.156	7.0	15.0	3.0	100	-2.0	M210
	2DI150M-120	900	1200	150	1500	150	4	0.125	7.0	15.0	3.0	100	-3.0	M210
Six Pack Darlington Modules 1200V	6DI15M-120	900	1200	15	150	15	3	0.800	3.5	15.0	3.0	100	-0.3	M607
	6DI30M-120	900	1200	30	300	30	4	0.400	3.5	15.0	3.0	100	-0.6	M613
	6DI50M-120	900	1200	50	500	50	4	0.400	3.5	15.0	3.0	100	-1.0	M609

TYPICAL CHARACTERISTICS OF A 2DI100M-050 MODULE

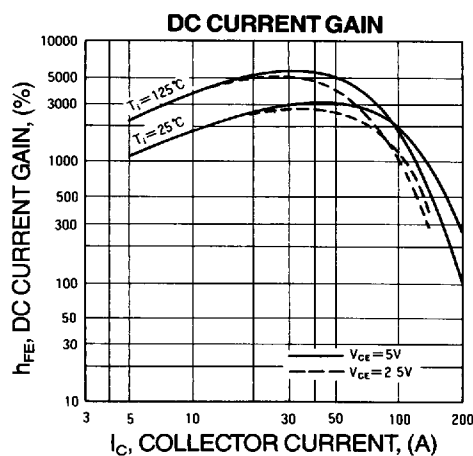


FIG. 1

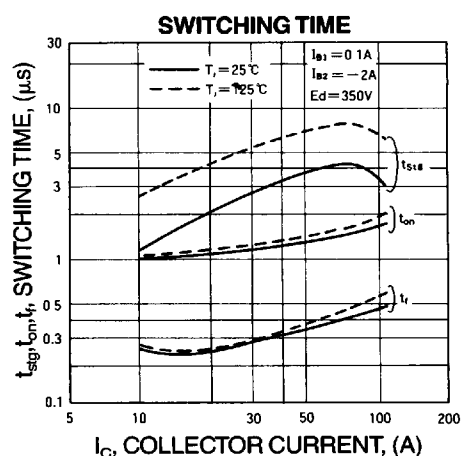


FIG. 2

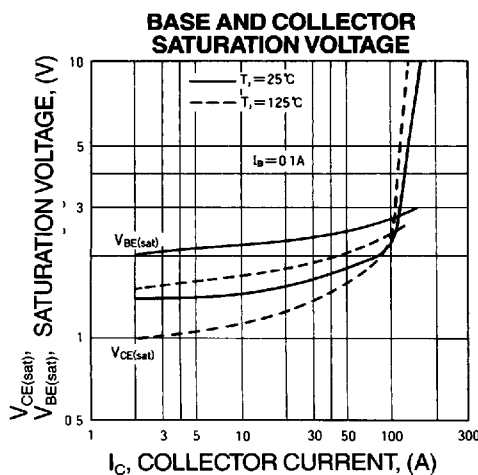


FIG. 3

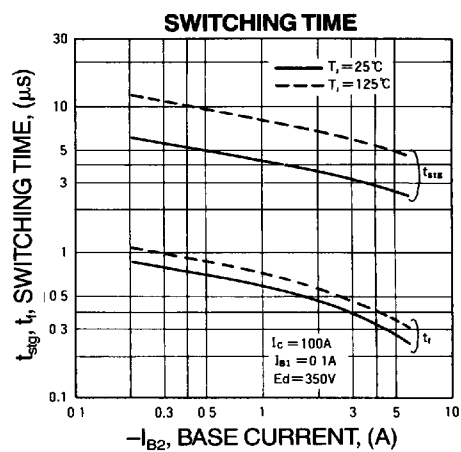


FIG. 4

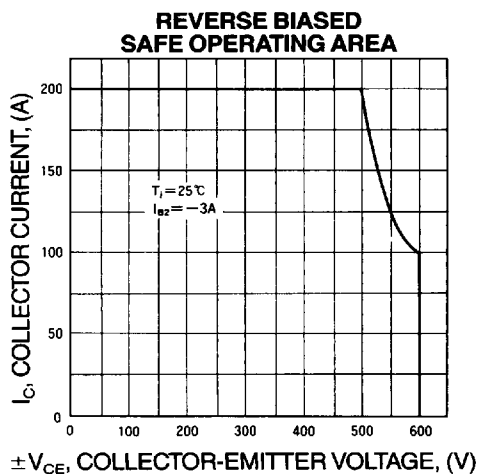


FIG. 5

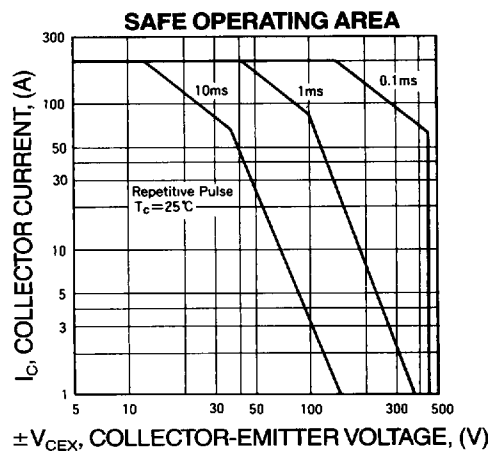


FIG. 6

M-Series High h_{FE} Darlington Modules

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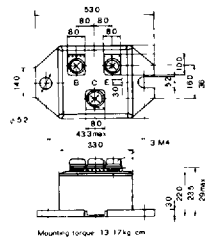
14368 PROTON RD • DALLAS, TEXAS 75244 • 214/233-1589



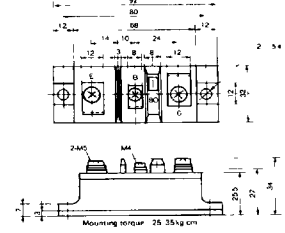
OUTLINE DRAWINGS

DIMENSIONS IN MILLIMETERS

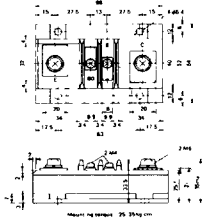
M102



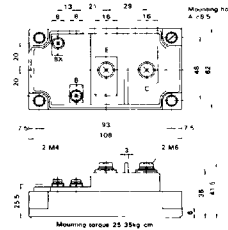
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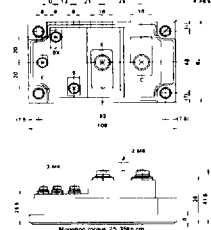
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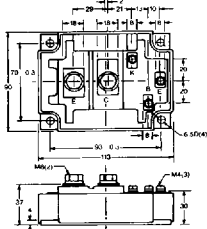
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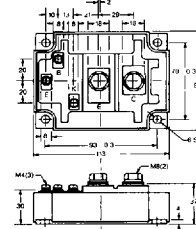
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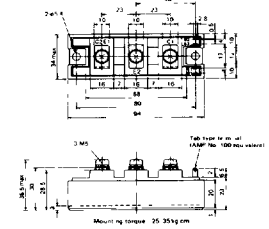
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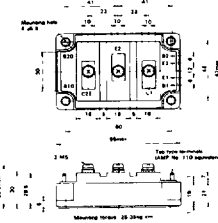
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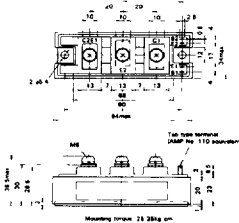
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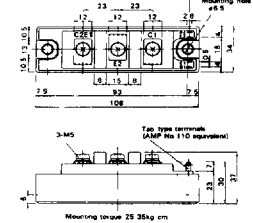
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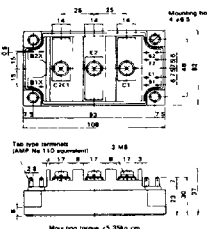
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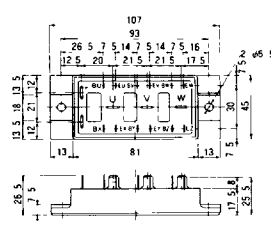
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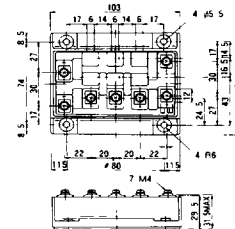
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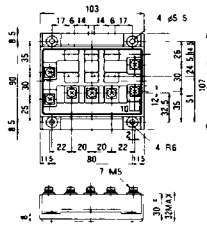
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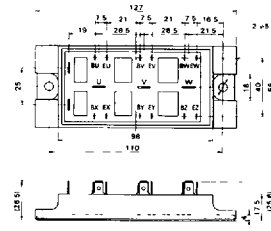
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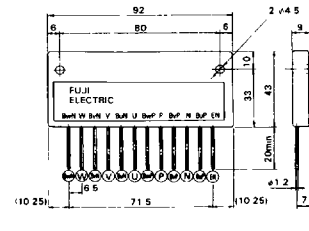
M610



M613



M615



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4