

# Power Darlington Modules

T-33-29



## 1000 VOLTS

Device Type	V <sub>ceo</sub> Volts	V <sub>ceo</sub> Volts	V <sub>ceo</sub> (sus) Volts	I <sub>c</sub> cont. Amps	P <sub>c</sub> Watts (per xstr)	h <sub>FE</sub> @ min	I <sub>c</sub> Amps	V <sub>ce</sub> Volts	Switching time (max.)			Package
									t <sub>on</sub> μsec.	t <sub>s</sub> μsec.	t <sub>f</sub> μsec.	

### 1000 VOLT "Z" MODULES, HIGH SPEED, EXTRA RUGGED DUAL DARLINGTON MODULES (ISOLATED) 1000V

2DI30Z-100	1000	1000	1000	30	300	100	30	5	2.5	12.0	2.0	M204
2DI50Z-100	1000	1000	1000	50	400	100	50	5	2.5	12.0	2.0	M204
2DI75Z-100	1000	1000	1000	75	500	100	75	5	2.5	12.0	2.0	M209
2DI100Z-100	1000	1000	1000	100	800	100	100	5	2.5	12.0	2.0	M210
2DI150Z-100	1000	1000	1000	150	1000	100	150	5	2.5	12.0	2.0	M210

### DRIVE TRANSISTORS

1SI10A-100	1000	1000	800	10	160	10	4	5	1	4	.8	M101
ET1275	1000	1000	700	15	120	20	12	5	3	15	2	M101
1SI50A-050	600	600	450	50	300	8	40	5	—	—	—	M102
1SI50A-100	1000	1000	800	50	300	4	30	5	—	—	—	M103
1SI100A-100	1000	1000	800	100	600	4	60	5	—	—	—	M103

## 1200 VOLTS

Device Type	V <sub>ceo</sub> Volts	V <sub>ceo</sub> Volts	V <sub>CEX</sub> (sus) Volts	I <sub>c</sub> cont. Amps	P <sub>c</sub> Watts (per xstr)	h <sub>FE</sub> @ min	I <sub>c</sub> Amps	V <sub>ce</sub> Volts	Switching time (max.)			Package
									t <sub>on</sub> μsec.	t <sub>s</sub> μsec.	t <sub>f</sub> μsec.	

### SINGLE DARLINGTON MODULES (ISOLATED)

1DI200A-120	1200	1200	1200	200	1600	70	200	5	3	15	3	M105
1DI300A-120	1200	1200	1200	300	2000	70	300	5	3	15	3	M105
1DI400A-120	1200	1200	1200	400	3120	100	400	5	3	15	3	M107

### DUAL DARLINGTON MODULES (ISOLATED)

2DI30A-120	1200	1200	1200	30	300	70	30	5	3	15	3	M204
2DI50A-120	1200	1200	1200	50	400	70	50	5	3	15	3	M206
2DI75A-120	1200	1200	1200	75	500	70	75	5	3	15	3	M206
2DI100A-120	1200	1200	1200	100	800	70	100	5	3	15	3	M207
2DI150A-120	1200	1200	1200	150	1000	70	150	5	3	15	3	M207

### 1200 VOLT "Z" MODULES, HIGH GAIN, EXTRA RUGGED SINGLE DARLINGTON MODULES (ISOLATED) 1200V

1DI200Z-120	1200	1200	1200	200	1400	100	200	5	3.0	15.0	2.0	M106
1DI300Z-120	1200	1200	1200	300	2000	100	300	5	3.0	15.0	2.0	M106

### DUAL DARLINGTON MODULES (ISOLATED) 1200V

2DI30Z-120	1200	1200	1200	30	300	100	30	5	3.0	15.0	2.0	M204
2DI50Z-120	1200	1200	1200	50	400	100	50	5	3.0	15.0	2.0	M204
2DI75Z-120	1200	1200	1200	75	500	100	75	5	3.0	15.0	2.0	M209
2DI100Z-120	1200	1200	1200	100	800	100	100	5	3.0	15.0	2.0	M210
2DI150Z-120	1200	1200	1200	150	1000	100	150	5	3.0	15.0	2.0	M210

### 1200 VOLT "ZN/ZP" MODULES WITH INTERNAL ZENER SNUBER DIODE (ISOLATED)

1DI200ZP-120	1200	1200	1200	200	1400	100	200	5	3	15	2	M114
1DI200ZN-120	1200	1200	1200	200	1400	100	200	5	3	15	2	M115
1DI300ZP-120	1200	1200	1200	300	2000	100	300	5	3	15	2	M114
1DI300ZN-120	1200	1200	1200	300	2000	100	300	5	3	15	2	M115

## 1400 VOLTS

Device Type	V <sub>ceo</sub> Volts	V <sub>ceo</sub> Volts	V <sub>CEX</sub> (sus) Volts	I <sub>c</sub> cont. Amps	P <sub>c</sub> Watts (per xstr)	h <sub>FE</sub> @ min	I <sub>c</sub> Amps	V <sub>ce</sub> Volts	Switching time (max.)			Package
									t <sub>on</sub> μsec.	t <sub>s</sub> μsec.	t <sub>f</sub> μsec.	

### SINGLE DARLINGTON MODULES (ISOLATED)

1DI200A-140	1400	1400	1200	200	1600	70	200	5	3	15	3	M105
1DI300A-140	1400	1400	1200	300	2000	70	300	5	3	15	3	M105
1DI400A-140	1400	1400	1200	400	3120	100	400	5	3	15	3	M107

### DUAL DARLINGTON MODULES (ISOLATED)

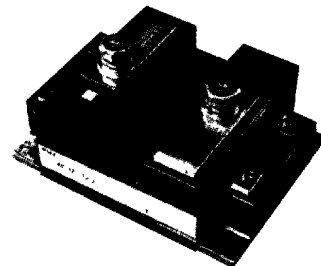
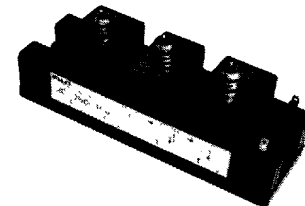
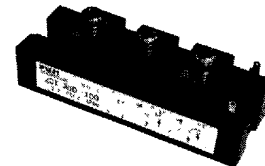
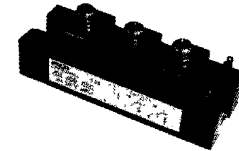
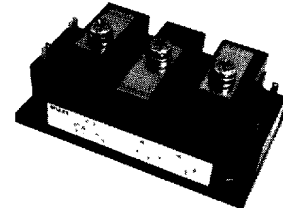
2DI30A-140	1400	1400	1200	30	300	70	30	5	3	15	3	M204
2DI50A-140	1400	1400	1200	50	400	70	50	5	3	15	3	M206
2DI75A-140	1400	1400	1200	75	500	70	75	5	3	15	3	M206
2DI100A-140	1400	1400	1200	100	800	70	100	5	3	15	3	M207
2DI150A-140	1400	1400	1200	150	1000	70	150	5	3	15	3	M207

### 1400 VOLT "Z" MODULES, HIGH GAIN, EXTRA RUGGED SINGLE DARLINGTON MODULES (ISOLATED) 1400V

1DI200Z-140	1400	1400	1200	200	1400	100	200	5	3.0	15.0	2.0	M106
1DI300Z-140	1400	1400	1200	300	2000	100	300	5	3.0	15.0	2.0	M106

### DUAL DARLINGTON MODULES (ISOLATED) 1400V

2DI50Z-140	1400	1400	1200	50	400	100	50	5	3.0	15.0	2.0	M204
2DI75Z-140	1400	1400	1200	75	500	100	75	5	3.0	15.0	2.0	M209
2DI100Z-140	1400	1400	1200	100	800	100	100	5	3.0	15.0	2.0	M210
2DI150Z-140	1400	1400	1200	150	1000	100	150	5	3.0	15.0	2.0	M210



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