

Power Darlington Modules

T-33-29



200, 300 AND 500 VOLTS

| Device Type | V _{CEO} Volts | V _{CE0} Volts | V _{CE0} (sus) Volts | I _c cont. Amps | P _c Watts (per xstr) | hFE @ min | I _c Amps | V _{CE} Volts | Switching time (max.) | | | Package |
|-------------|------------------------|------------------------|------------------------------|---------------------------|---------------------------------|-----------|---------------------|-----------------------|-----------------------|----------------------|----------------------|---------|
| | | | | | | | | | t _{on} μsec. | t _s μsec. | t _f μsec. | |

SINGLE DARLINGTON MODULES (ISOLATED)

| | | | | | | | | | | | | |
|-------------|-----|-----|-----|-----|------|-----|-----|---|---|----|-----|------|
| ETG81-050 | 600 | 600 | 450 | 30 | 200 | 100 | 30 | 5 | 3 | 12 | 3 | M102 |
| ETK81-050 | 600 | 600 | 450 | 50 | 300 | 100 | 50 | 5 | 3 | 12 | 4 | M102 |
| ETK85-050 | 600 | 600 | 450 | 75 | 350 | 70 | 75 | 5 | 2 | 10 | 2.5 | M102 |
| ETL81-050 | 600 | 600 | 500 | 100 | 600 | 100 | 100 | 5 | 3 | 10 | 3 | M103 |
| ETN81-055 | 600 | 600 | 550 | 200 | 1000 | 70 | 200 | 5 | 2 | 12 | 3 | M104 |
| 1D1240A-055 | 600 | 600 | 550 | 240 | 1000 | 70 | 240 | 5 | 2 | 12 | 3 | M104 |
| ETN85-050 | 600 | 600 | 450 | 300 | 1200 | 70 | 300 | 5 | 2 | 12 | 2.5 | M104 |
| 1D1480A-055 | 600 | 600 | 550 | 480 | 2000 | 70 | 480 | 5 | 2 | 12 | 3 | M105 |
| 1D1500A-030 | 400 | 400 | 300 | 500 | 2000 | 500 | 500 | 2 | 2 | 12 | 4 | M105 |

DUAL DARLINGTON MODULES (ISOLATED)

| | | | | | | | | | | | | |
|-------------|-----|-----|-----|-----|------|-----|-----|---|---|----|-----|------|
| EVG31-050 | 600 | 600 | 450 | 30 | 200 | 100 | 30 | 5 | 3 | 12 | 4 | M201 |
| 2D130D-050 | 600 | 600 | 450 | 30 | 250 | 100 | 30 | 5 | 3 | 12 | 4 | M208 |
| EVK31-050 | 600 | 600 | 450 | 50 | 300 | 100 | 50 | 5 | 3 | 12 | 4 | M201 |
| 2D150D-050 | 600 | 600 | 450 | 50 | 310 | 100 | 50 | 5 | 3 | 12 | 4 | M208 |
| 2D150D-055A | 600 | 600 | 550 | 50 | 300 | 70 | 50 | 5 | 2 | 12 | 4 | M208 |
| EVK71-050 | 600 | 600 | 450 | 75 | 350 | 70 | 75 | 5 | 2 | 10 | 2.5 | M202 |
| 2D175S-050A | 600 | 600 | 450 | 75 | 350 | 100 | 75 | 5 | 2 | 10 | 2.5 | M202 |
| EVK75-050 | 600 | 600 | 450 | 75 | 350 | 70 | 75 | 5 | 2 | 10 | 2.5 | M201 |
| 2D175D-050 | 600 | 600 | 450 | 75 | 350 | 100 | 75 | 5 | 3 | 12 | 4 | M208 |
| 2D175D-055A | 600 | 600 | 550 | 75 | 350 | 70 | 75 | 5 | 3 | 12 | 4 | M208 |
| EVK71-055 | 600 | 600 | 550 | 75 | 350 | 70 | 75 | 5 | 2 | 12 | 3 | M202 |
| EVL31-050 | 600 | 600 | 450 | 100 | 500 | 100 | 100 | 5 | 3 | 12 | 4 | M203 |
| 2D1100D-050 | 600 | 600 | 450 | 100 | 620 | 100 | 100 | 5 | 3 | 12 | 4 | M205 |
| EVL31-055 | 600 | 600 | 550 | 100 | 500 | 70 | 100 | 5 | 2 | 12 | 3 | M203 |
| EVL32-055 | 600 | 600 | 550 | 120 | 500 | 70 | 120 | 5 | 2 | 12 | 3 | M203 |
| EVM31-050A | 600 | 600 | 500 | 150 | 600 | 70 | 150 | 5 | 2 | 10 | 2.5 | M203 |
| 2D1150D-050 | 600 | 600 | 450 | 150 | 690 | 100 | 150 | 5 | 3 | 12 | 4 | M205 |
| 2D1200A-020 | 300 | 300 | 250 | 200 | 500 | 100 | 200 | 5 | 2 | 12 | 3 | M203 |
| 2D1200A-050 | 600 | 600 | 450 | 200 | 900 | 80 | 200 | 5 | 2 | 12 | 3 | M207 |
| 2D1240A-055 | 600 | 600 | 550 | 240 | 1000 | 70 | 240 | 5 | 2 | 12 | 3 | M207 |
| 2D1300A-050 | 600 | 600 | 450 | 300 | 1200 | 70 | 300 | 5 | 2 | 12 | 2.5 | M207 |

SINGLE DARLINGTONS AND TRANSISTORS (NON-ISOLATED)

| | | | | | | | | | | | | |
|------------|------|------|------|-----|------|-----|-----|---|---|----|-----|---------|
| ET188 | 400 | 400 | 300 | 100 | 600 | 200 | 100 | 5 | 2 | 12 | 3 | BBT II |
| ET127-450V | 600 | 600 | 450 | 100 | 960 | 100 | 100 | 5 | 4 | 10 | 3 | BBT |
| ET127-520V | 600 | 600 | 520 | 100 | 960 | 100 | 100 | 5 | 4 | 10 | 3 | BBT |
| 1D500A-030 | 400 | 400 | 300 | 500 | 2500 | 500 | 500 | 2 | 2 | 12 | 4 | BBT IV |
| 1D200A-020 | 300 | 300 | 200 | 200 | 800 | 100 | 200 | 5 | 2 | 12 | 3 | BBT II |
| ETN01-055 | 600 | 600 | 550 | 200 | 1500 | 8 | 120 | 5 | 2 | 8 | 2 | BBT III |
| ETN31-055 | 600 | 600 | 550 | 200 | 1500 | 70 | 200 | 5 | 2 | 12 | 3 | BBT III |
| ETM36-030 | 400 | 400 | 320 | 200 | 1000 | 150 | 200 | 5 | 2 | 10 | 1.2 | BBT III |
| ETN35-030 | 400 | 400 | 300 | 300 | 1500 | 100 | 300 | 5 | 2 | 12 | 1.2 | BBT III |
| ETN36-030 | 400 | 400 | 320 | 300 | 1500 | 150 | 300 | 5 | 2 | 10 | 1.2 | BBT III |
| ET1257 | 1000 | 1000 | 1000 | 200 | 1500 | 4 | 120 | 5 | - | - | - | BBT III |

1000 VOLTS

| Device Type | V _{CEO} Volts | V _{CE0} Volts | V _{CEX} (sus) Volts | I _c cont. Amps | P _c Watts (per xstr) | hFE @ min | I _c Amps | V _{CE} Volts | Switching time (max.) | | | Package |
|-------------|------------------------|------------------------|------------------------------|---------------------------|---------------------------------|-----------|---------------------|-----------------------|-----------------------|----------------------|----------------------|---------|
| | | | | | | | | | t _{on} μsec. | t _s μsec. | t _f μsec. | |

SINGLE DARLINGTON MODULES (ISOLATED)

| | | | | | | | | | | | | |
|-------------|------|------|------|-----|------|-----|-----|---|-----|----|---|------|
| 1D1200D-100 | 1000 | 1000 | 1000 | 200 | 1600 | 100 | 200 | 5 | 2.5 | 15 | 3 | M105 |
| 1D1300D-100 | 1000 | 1000 | 1000 | 300 | 2000 | 100 | 300 | 5 | 2.5 | 15 | 3 | M105 |
| 1D1400D-100 | 1000 | 1000 | 1000 | 400 | 2400 | 70 | 400 | 5 | 2.5 | 15 | 3 | M105 |

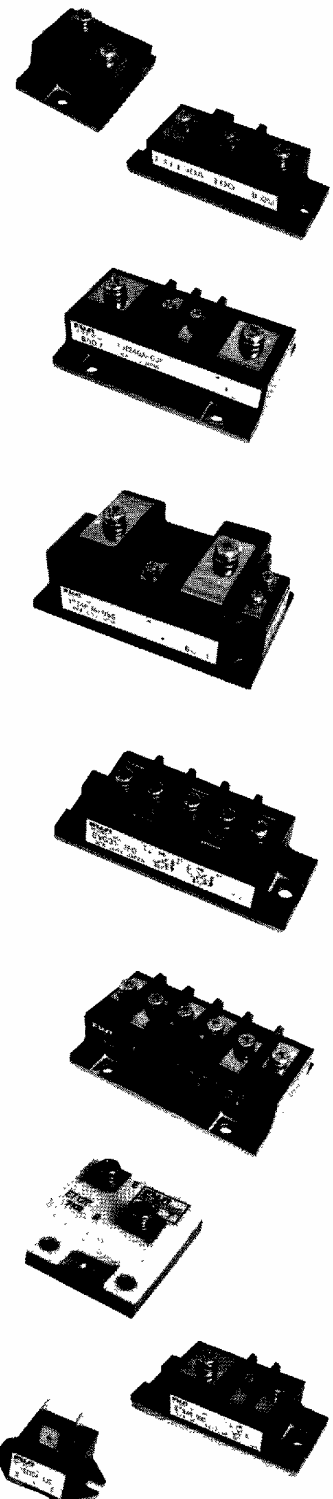
DUAL DARLINGTON MODULES (ISOLATED)

| | | | | | | | | | | | | |
|-------------|------|------|------|-----|------|-----|-----|---|-----|----|---|------|
| EV1277 | 1000 | 1000 | 1000 | 30 | 300 | 100 | 30 | 5 | 3 | 12 | 2 | M202 |
| 2D130D-100 | 1000 | 1000 | 1000 | 30 | 300 | 100 | 30 | 5 | 2.5 | 15 | 3 | M204 |
| EV1234 | 1000 | 1000 | 1000 | 50 | 500 | 100 | 50 | 5 | 3 | 15 | 2 | M203 |
| 2D150D-100 | 1000 | 1000 | 1000 | 50 | 400 | 100 | 50 | 5 | 2.5 | 15 | 3 | M204 |
| 2D175D-100 | 1000 | 1000 | 1000 | 75 | 500 | 100 | 75 | 5 | 2.5 | 15 | 3 | M206 |
| EV1255 | 1000 | 1000 | 1000 | 100 | 800 | 200 | 100 | 5 | 3 | 15 | 2 | M203 |
| 2D1100D-100 | 1000 | 1000 | 1000 | 100 | 800 | 100 | 100 | 5 | 2.5 | 15 | 3 | M207 |
| 2D1150D-100 | 1000 | 1000 | 1000 | 150 | 1000 | 100 | 150 | 5 | 2.5 | 15 | 3 | M207 |
| 2D1200D-100 | 1000 | 1000 | 1000 | 200 | 1200 | 100 | 200 | 5 | 2.5 | 15 | 3 | M207 |

1000 VOLT "Z" MODULES, HIGH SPEED, EXTRA RUGGED

SINGLE DARLINGTON MODULES (ISOLATED) 1000V

| | | | | | | | | | | | | |
|-------------|------|------|------|-----|------|-----|-----|---|-----|------|-----|------|
| 1D1200Z-100 | 1000 | 1000 | 1000 | 200 | 1400 | 100 | 200 | 5 | 2.5 | 12.0 | 2.0 | M106 |
| 1D1300Z-100 | 1000 | 1000 | 1000 | 300 | 2000 | 100 | 300 | 5 | 2.5 | 12.0 | 2.0 | M106 |



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