

POWER TRANSISTORS



TO-82

| TYPE NO. | PT @ 25°C Watts | MAXIMUM RATINGS | | | | hFE | | @ | | | | Sat Voltages | | Test Conditions | | I _{EBO} ** ma |
|------------|--------------------|-------------------|-------------------|-------------------|----------------|-----|-----|----------------|-----------------|-----------------|-----------------|----------------|----------------|-----------------|---|---------------------------|
| | | BV _{CEO} | BV _{CE0} | BV _{EB0} | I _C | MIN | MAX | I _C | V _{CE} | V _{CE} | V _{BE} | I _C | I _B | | | |
| | | V | V | V | A | | | | | | | | | A | V | |
| 2N1015 | 150 | 30 | 30 | 25 | 7.5 | 10 | | 2 | 4 | 1.5 | 2 | 2 | .3 | 20 | | |
| 2N1015A | 150 | 60 | 60 | 25 | 7.5 | 10 | | 2 | 4 | 1.5 | 2 | 2 | .3 | 20 | | |
| 2N1015B | 150 | 100 | 100 | 25 | 7.5 | 10 | | 2 | 4 | 1.5 | 2 | 2 | .3 | 20 | | |
| 2N1015C | 150 | 150 | 150 | 25 | 7.5 | 10 | | 2 | 4 | 1.5 | 2 | 2 | .3 | 20 | | |
| 2N1015D | 150 | 200 | 200 | 25 | 7.5 | 10 | | 2 | 4 | 1.5 | 2 | 2 | .3 | 20 | | |
| 2N1015E | 150 | 250 | 250 | 25 | 7.5 | 10 | | 2 | 4 | 1.5 | 2 | 2 | .3 | 20 | | |
| 2N1015F | 150 | 300 | 300 | 25 | 7.5 | 10 | | 2 | 4 | 1.5 | 2 | 2 | .3 | 20 | | |
| 2N1016 | 150 | 30 | 30 | 25 | 7.5 | 10 | | 5 | 4 | 2.5 | 4 | 5 | .750 | 20 | | |
| 2N1016A | 150 | 60 | 60 | 25 | 7.5 | 10 | | 5 | 4 | 2.5 | 4 | 5 | .750 | 20 | | |
| 2N1016B | 150 | 100 | 100 | 25 | 7.5 | 10 | | 5 | 4 | 2.5 | 4 | 5 | .750 | 20 | | |
| JAN2N1016B | 150 | 100 | 100 | 25 | 7.5 | 10 | 35 | 5 | 4 | 2.5 | 4 | 5 | .750 | 20 | | |
| 2N1016C | 150 | 150 | 150 | 25 | 7.5 | 10 | | 5 | 4 | 2.5 | 4 | 5 | .750 | 20 | | |
| JAN2N1016C | 150 | 150 | 150 | 25 | 7.5 | 10 | 35 | 5 | 4 | 2.5 | 4 | 5 | .750 | 20 | | |
| 2N1016D | 150 | 200 | 200 | 25 | 7.5 | 10 | | 5 | 4 | 2.5 | 4 | 5 | .750 | 20 | | |
| JAN2N1016D | 150 | 200 | 200 | 25 | 7.5 | 10 | 35 | 5 | 4 | 2.5 | 4 | 5 | .750 | 20 | | |
| 2N1016E | 150 | 250 | 250 | 25 | 7.5 | 10 | | 5 | 4 | 2.5 | 4 | 5 | .750 | 20 | | |
| 2N1016F | 150 | 300 | 300 | 25 | 7.5 | 10 | | 5 | 4 | 2.5 | 4 | 5 | .750 | 20 | | |

| TYPE NO. | PT @ 75°C Watts | MAXIMUM RATINGS | | | | hFE | | @ | | | | Sat Voltages | | Test Conditions | | I _{EBO} ** ma |
|----------|--------------------|-------------------|-------------------|-------------------|----------------|-----|-----|----------------|-----------------|-----------------|-----------------|----------------|----------------|-----------------|---|---------------------------|
| | | BV _{CEO} | BV _{CE0} | BV _{EB0} | I _C | MIN | MAX | I _C | V _{CE} | V _{CE} | V _{BE} | I _C | I _B | | | |
| | | V | V | V | A | | | | | | | | | A | V | |
| 2N2739 | 200* | 50 | 50 | 15 | 20 | 10 | | 10 | 4 | 1.5 | 2.5 | 10 | 2 | 25 | | |
| 2N2740 | 200* | 100 | 100 | 15 | 20 | 10 | | 10 | 4 | 1.5 | 2.5 | 10 | 2 | 25 | | |
| 2N2741 | 200* | 150 | 150 | 15 | 20 | 10 | | 10 | 4 | 1.5 | 2.5 | 10 | 2 | 25 | | |
| 2N2742 | 200* | 200 | 200 | 15 | 20 | 10 | | 10 | 4 | 1.5 | 2.5 | 10 | 2 | 25 | | |
| 2N2745 | 200* | 50 | 50 | 15 | 20 | 10 | | 15 | 4 | 1.5 | 2.5 | 15 | 3 | 25 | | |
| 2N2746 | 200* | 100 | 100 | 15 | 20 | 10 | | 15 | 4 | 1.5 | 2.5 | 15 | 3 | 25 | | |
| 2N2747 | 200* | 150 | 150 | 15 | 20 | 10 | | 15 | 4 | 1.5 | 2.5 | 15 | 3 | 25 | | |
| 2N2748 | 200* | 200 | 200 | 15 | 20 | 10 | | 15 | 4 | 1.5 | 2.5 | 15 | 3 | 25 | | |
| 2N2751† | 200* | 50 | 50 | 15 | 20 | 10 | | 20 | 4 | 1.5 | 2.5 | 20 | 4 | 25 | | |
| 2N2752† | 200* | 100 | 100 | 15 | 20 | 10 | | 20 | 4 | 1.5 | 2.5 | 20 | 4 | 25 | | |
| 2N2753† | 200* | 150 | 150 | 15 | 20 | 10 | | 20 | 4 | 1.5 | 2.5 | 20 | 4 | 25 | | |

*T_c = 75°C

**T_A = 150°C

†TO-82 pkg. with 60 MIL DIA. PINS.

Solid Power Corporation