

# Special Devices

## PROGRAMMABLE UNIJUNCTION TRANSISTORS

| TYPE NO. | CASE    | MAXIMUM RATINGS |         |           | VF (V) |         | VT (V)<br>max | IP (μA)<br>max | IV (μA)<br>max | IGKS (nA)<br>max | IGAO (nA)<br>max |
|----------|---------|-----------------|---------|-----------|--------|---------|---------------|----------------|----------------|------------------|------------------|
|          |         | Pd (mW)         | IA (mA) | BVGKF (V) | max    | IF (mA) |               |                |                |                  |                  |
| BRY56    | TO-92BA | 300             | 175     | 70        | 1.4    | 100     | -             | 5              | 50             | 100              | 10               |
| BRY56A   | TO-92BA | 300             | 175     | 70        | 1.4    | 100     | -             | 0.22           | 2              | 100              | 10               |
| MEU21    | TO-106  | 300             | 150     | 40        | 1.5    | 50      | 1.6           | 2              | 50             | 100              | 10               |
| MEU22    | TO-106  | 300             | 150     | 40        | 1.5    | 50      | 0.6           | 0.15           | 25             | 100              | 10               |
| 2N6027   | TO-92BF | 300             | 150     | 40        | 1.5    | 50      | 1.6           | 2              | 50             | 100              | 10               |
| 2N6028   | TO-92BF | 300             | 150     | 40        | 1.5    | 50      | 0.6           | 0.15           | 25             | 100              | 10               |

## SILICON CONTROLLED SWITCHES

| TYPE NO. | CASE  | MAXIMUM RATINGS |         |          | NPN     |          |          |                |         | PNP  |     |         | VF @ IE=50mA (V)<br>max | IH (mA) |   |    | ton (ns)<br>max |
|----------|-------|-----------------|---------|----------|---------|----------|----------|----------------|---------|------|-----|---------|-------------------------|---------|---|----|-----------------|
|          |       | Pd (mW)         | IE (mA) | VCBO (V) | HFE min | VCE(sat) |          | VCE (V)<br>max | IC (mA) | HFE  |     | IC (mA) |                         |         |   |    |                 |
|          |       |                 |         |          |         | IC (mA)  | VCE (mA) |                |         | min  | max |         |                         |         |   |    |                 |
|          |       |                 |         |          |         |          |          |                |         |      |     |         |                         |         |   |    |                 |
| BR101    | TO-72 | 250             | 100     | 50       | 50      | 10       | 2        | 0.6            | 10      | 0.25 | 2.5 | 1       | 1.4                     | 0.1     | 1 | 10 | 250             |
| BRY39    | TO-72 | 250             | 100     | 70       | 50      | 10       | 5        | 0.5            | 10      | 0.25 | 2.5 | 0.7     | 1.4                     | 0.1     | 1 | 10 | 250             |