

# SPECIAL ASSEMBLIES (continued)

## Silicon darlington amplifiers

| TYPE          | POLARITY | $P_D$ max (W) | $V_{CEO}$ min (V) | $I_C$ RANGE (mA) | $h_{FE}$ min | and             |            | NF max (dB) | $C_{ob}$ max (pF) | PACKAGE   |
|---------------|----------|---------------|-------------------|------------------|--------------|-----------------|------------|-------------|-------------------|-----------|
|               |          |               |                   |                  |              | $V_{CEsat}$ (V) | $I_C$ (mA) |             |                   |           |
| <b>BFX 66</b> | NPN      | 0.5           | 60                | 0.1-150          | 2000         | 1.3             | 100        | 6           | 30                | TO-72 (3) |
| <b>BFX 67</b> | NPN      | 0.5           | 60                | 0.01-200         | 7000         | 1.6             | 100        | —           | 20                | TO-72 (3) |
| <b>2N 997</b> | NPN      | 0.5           | 40                | 0.01-200         | 7000         | 1.6             | 100        | —           | —                 | TO-18     |
| <b>2N 998</b> | NPN      | 0.5           | 60                | 0.5-200          | 5000*        | 1.2             | 50         | 6           | 30                | TO-72 (3) |
| <b>2N 999</b> | NPN      | 0.5           | 60                | 0.01-200         | 7000         | 1.6             | 100        | —           | 20                | TO-72 (3) |

\* Typical value

## Silicon transistor arrays

| TYPE          | POLARITY | $P_D$ max (W) | $V_{CEO}$ min (V) | $I_C$ RANGE (mA) | $h_{FE}$ min | $I_C$ (mA) |      | $V_{CEsat}$ max (V) | $t_{on}$ max (ns) | $t_{off}$ max (ns) | PACKAGE |
|---------------|----------|---------------|-------------------|------------------|--------------|------------|------|---------------------|-------------------|--------------------|---------|
|               |          |               |                   |                  |              | min        | @    |                     |                   |                    |         |
| <b>BGY 15</b> | NPN      | 0.8           | 40                | 0.1-100          | 80           | 50         | 0.25 | 10                  | 150               | 900                | DIP K   |
| <b>BGY 16</b> | PNP      | 0.8           | 40                | 0.1-100          | 80           | 50         | 0.25 | 10                  | 150               | 900                | DIP K   |
| <b>BSW 17</b> | NPN      | 0.8           | 120               | 0.01-100         | 30           | 30         | 0.6  | 10                  | —                 | —                  | DIP H   |