

## Silicijevi transistorji malih moči

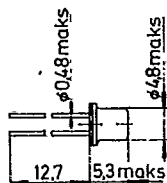
## Silicon low power transistors

| Tip/Type |             | Polariteta<br>Polarity | $U_{CBO}$ | $U_{CEO}$ | $U_{EBO}$ | $I_C$ | $P_{tot}$ | $\vartheta_{op}$ | $h_{FE}$ pri/at<br>$I_C = 2 \text{ mA}$ | $f_T$ | $U_{CEsat}$ | Sl./<br>Fig. |
|----------|-------------|------------------------|-----------|-----------|-----------|-------|-----------|------------------|-----------------------------------------|-------|-------------|--------------|
|          |             |                        | (V)       | (V)       | (V)       | (mA)  | (W)       | (°C)             | $U_{CE} = 5V, f = 1 \text{ kHz}$        | (MHz) | (V)         |              |
| BC107    | A<br>B      | NPN                    | 50        | 45        | 5         | 100   | 0,3       | -40 ...<br>+125  | 110-240<br>200-480                      | 150   | 0,25        | 55           |
| BC177    | A<br>B      | PNP                    | 50        | 45        | 5         | 100   | 0,3       | -40 ...<br>+125  | 65-150<br>110-240                       | 150   | 0,2         |              |
| BC237    | A<br>B      | NPN                    | 45        | 45        | 6         | 100   | 0,3       | -25 ...<br>+85   | 110-240<br>200-480                      | 150   | 0,25        | 56           |
| BC238    | A<br>B<br>C | NPN                    | 20        | 20        | 5         | 100   | 0,3       | -25 ...<br>+85   | 110-240<br>200-480<br>450-900           | 150   | 0,25        |              |
| BC308    | A<br>B<br>C | PNP                    | 30        | 25        | 5         | 100   | 0,3       | -25 ...<br>+85   | 65-150<br>110-240<br>200-480            | 100   | 0,2         |              |
| BC337    | A<br>B<br>C | NPN                    | 50        | 45        | 5         | 800   | 0,5       | -25 ...<br>+85   | 60-160<br>100-150<br>160-400            | 150   | 0,7         |              |
| BC338    | A<br>B<br>C | PNP                    | 30        | 25        | 5         | 800   | 0,5       | -25 ...<br>+85   | 60-160<br>100-250<br>160-400            | 150   | 0,7         |              |
| BC393    |             | PNP                    | 180       | 180       | 6         | 10    | 0,4       | -40 ...<br>+125  | 50                                      | 50    | 0,25        | 55           |

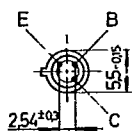
## Silicijevi transistorji srednjih moči

## Medium power transistors

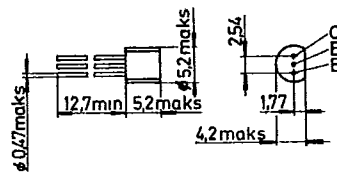
| Tip/Type |        | $U_{CBO}$ | $U_{CEO}$ | $U_{EBO}$ | $I_C$ | $P_{tot}$ | $\vartheta_{op}$ | $h_{FE}$ pri/at<br>$I_C = 2 \text{ mA}$ | $f_T$      | $U_{CEsat}$ | Sl./<br>Fig. |
|----------|--------|-----------|-----------|-----------|-------|-----------|------------------|-----------------------------------------|------------|-------------|--------------|
| NPN      | PNP    | (V)       | (V)       | (V)       | (A)   | (W)       | (°C)             | $U_{CE} = 5V, f = 1 \text{ kHz}$        | (MHz)      | (V)         |              |
| BD 135   | BD 136 | 45        | 45        | 5         | 1,5   | 6,5       | -40 ...<br>+100  | 40-250                                  | 200<br>150 | 0,5         | 57           |
| BD 137   | BD 138 | 60        | 60        | 5         | 1,5   | 6,5       | -40 ...<br>+100  | 40-160                                  | 200<br>150 | 0,5         |              |
| BD 139   | BD 140 | 80        | 80        | 5         | 1,5   | 6,5       | -40 ...<br>+100  | 40-160                                  | 200<br>150 | 0,5         |              |



Sl./Fig. 55

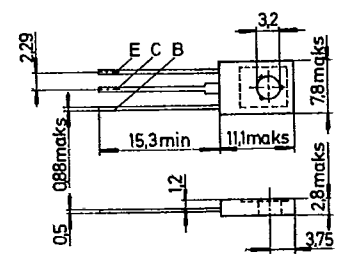


TO-18



Sl./Fig. 56

TO-92



Sl./Fig. 57

TO-126