

TO-92 Plastic Package Transistors (PNP)

| Maximum Ratings | | | | | | Electrical Characteristics (Ta=25°C, Unless Otherwise Specified) | | | | | | | | | | | | | | | | | | | | | |
|-----------------|----------------------|----------------------|----------------------|--------------------|--------------------|--|---------------------|-----------------------|---------------------|-------------------|-----|---------------------|---------------------|--------------------------|-----|--------------------------|---------------------|----------------------|-----|----------------------|-----|-----|----------------------|---------------------|--------------|----------------------|-----------------|
| Type No. | V _{CBO} (V) | V _{CEO} (V) | V _{EBO} (V) | P _D (W) | I _C (A) | I _{CBO} (μA) | V _{CB} (V) | I _{CES} (μA) | V _{CE} (V) | h _{FE} @ | | I _C (mA) | V _{CE} (V) | V _{CE(SAT)} (V) | | V _{BE(SAT)} (V) | I _C (mA) | C _{ob} (pF) | | f _t (MHz) | | | t _{on} (ns) | N _F (dB) | @ Freq (MHz) | C _{re} (pF) | CDIL Case Style |
| | Min | Min | Min | @ Tc=25°C | Max | | | | | Min | Max | | | Max | Min | | | Max | Max | Min | Max | Typ | | | | | |
| BC258C | 30 | 25 | 5 | 0.3 | 0.1 | | | 0.1 | 20 | 380 | 800 | 2 | 5 | 0.2 | 0.8 | 10 | 6 | 130 | 10 | | | | 10 | | | TO-92-1 | |
| BC259 | 30 | 25 | 5 | 0.3 | 0.05 | | | 0.1 | 20 | 180 | 800 | 2 | 5 | 0.2 | 0.8 | 10 | 6 | 130 | 10 | | | | 4 | | | TO-92-1 | |
| BC259B | 30 | 25 | 5 | 0.3 | 0.05 | | | 0.1 | 20 | 180 | 460 | 2 | 5 | 0.2 | 0.8 | 10 | 6 | 130 | 10 | | | | 4 | | | TO-92-1 | |
| BC259C | 30 | 25 | 5 | 0.3 | 0.05 | | | 0.1 | 20 | 380 | 800 | 2 | 5 | 0.2 | 0.8 | 10 | 6 | 130 | 10 | | | | 4 | | | TO-92-1 | |
| BC307 | 50 | 45 | 5 | 0.35 | 0.1 | | | 0.015 | 45 | 120 | 800 | 2 | 5 | 0.3 | | 10 | 6 | 280 | 10 | | | | 10 | | | TO-92-4 | |
| BC307A | 50 | 45 | 5 | 0.35 | 0.1 | | | 0.015 | 50 | 120 | 220 | 2 | 5 | 0.3 | | 10 | 6 | 280 | 10 | | | | 10 | | | TO-92-4 | |
| BC307B | 50 | 45 | 5 | 0.35 | 0.1 | | | 0.015 | 50 | 200 | 460 | 2 | 5 | 0.3 | | 10 | 6 | 280 | 10 | | | | 10 | 0.001 | | TO-92-4 | |
| BC307C | 50 | 45 | 5 | 0.35 | 0.1 | | | 0.015 | 50 | 420 | 800 | 2 | 5 | 0.3 | | 10 | 6 | 280 | 10 | | | | 10 | | | TO-92-4 | |
| BC308 | 30 | 25 | 5 | 0.35 | 0.1 | | | 0.015 | 30 | 120 | 800 | 2 | 5 | 0.3 | | 2 | 6 | 320 | 10 | | | | 10 | | | TO-92-4 | |
| BC308A | 30 | 25 | 5 | 0.35 | 0.1 | | | 0.015 | 30 | 120 | 220 | 2 | 5 | 0.3 | | 10 | 6 | 320 | 10 | | | | 10 | | | TO-92-4 | |
| BC308B | 30 | 25 | 5 | 0.35 | 0.1 | | | 0.015 | 30 | 200 | 460 | 2 | 5 | 0.3 | | 10 | 6 | 320 | 10 | | | | 10 | 0.001 | | TO-92-4 | |
| BC308C | 30 | 25 | 5 | 0.35 | 0.1 | | | 0.015 | 30 | 420 | 800 | 2 | 5 | 0.3 | | 10 | 6 | 320 | 10 | | | | 10 | | | TO-92-4 | |
| BC309 | 30 | 25 | 5 | 0.35 | 0.1 | | | 0.015 | 30 | 120 | 800 | 2 | 5 | 0.3 | | 10 | 6 | 360 | 10 | | | | 4 | | | TO-92-4 | |
| BC309A | 30 | 25 | 5 | 0.35 | 0.1 | | | 0.015 | 30 | 120 | 800 | 2 | 5 | 0.3 | | 10 | 6 | 360 | 10 | | | | 4 | | | TO-92-4 | |
| BC309B | 30 | 25 | 5 | 0.35 | 0.1 | | | 0.015 | 30 | 200 | 460 | 2 | 5 | 0.3 | | 10 | 6 | 360 | 10 | | | | 4 | | | TO-92-4 | |
| BC309C | 30 | 25 | 5 | 0.35 | 0.1 | | | 0.015 | 30 | 420 | 800 | 2 | 5 | 0.3 | | 10 | 6 | 360 | 10 | | | | 4 | | | TO-92-4 | |
| BC327 | 50 | 45 | 5 | 0.625 | 0.8 | 0.1 | 20 | | | 40 | 300 | 1 | 1 | 0.7 | | 500 | 8 | 4 | 100 | 10 | | 4 | | | TO-92-4 | | |
| BC327-10 | 50 | 45 | 5 | 0.625 | 0.8 | 0.1 | 20 | | | 40 | 300 | 1 | 1 | 0.7 | | 500 | 8 | | 100 | 10 | | 4 | | | TO-92-4 | | |
| BC327-16 | 50 | 45 | 5 | 0.625 | 0.8 | 0.1 | 20 | | | 40 | 300 | 1 | 1 | 0.7 | | 500 | 8 | | 100 | 10 | | 4 | | | TO-92-4 | | |
| BC327-25 | 50 | 45 | 5 | 0.625 | 0.8 | 0.1 | 20 | | | 40 | 300 | 1 | 1 | 0.7 | | 500 | 8 | | 100 | 10 | | 4 | | | TO-92-4 | | |
| BC327-40 | 50 | 45 | 5 | 0.625 | 0.8 | 0.1 | 20 | | | 250 | 600 | 100 | 1 | 0.7 | | 500 | 8 | | 100 | 10 | | 4 | | | TO-92-4 | | |
| BC327A | 60 | 60 | 5 | 0.625 | 0.8 | 0.1 | 20 | | | 40 | 300 | 1 | 1 | 0.7 | | 500 | | | 100 | 10 | | 4 | | | TO-92-4 | | |
| BC328 | 30 | 25 | 5 | 0.625 | 0.8 | 0.1 | 20 | | | 40 | 300 | 1 | 1 | 0.7 | | 500 | 8 | 4 | 100 | 10 | | 4 | | | TO-92-4 | | |
| BC328-10 | 30 | 25 | 5 | 0.625 | 0.8 | 0.1 | 20 | | | 40 | 300 | 1 | 1 | 0.7 | | 500 | 8 | 4 | 100 | 10 | | 4 | | | TO-92-4 | | |
| BC328-16 | 30 | 25 | 5 | 0.625 | 0.8 | 0.1 | 20 | | | 40 | 300 | 1 | 1 | 0.7 | | 500 | 8 | | 100 | 10 | | 4 | | | TO-92-4 | | |
| BC328-25 | 30 | 25 | 5 | 0.625 | 0.8 | 0.1 | 20 | | | 40 | 300 | 1 | 1 | 0.7 | | 500 | 8 | | 100 | 10 | | 4 | | | TO-92-4 | | |
| BC328-40 | 30 | 25 | 5 | 0.625 | 0.8 | 0.1 | 20 | | | 40 | 300 | 1 | 1 | 0.7 | | 500 | 8 | | 100 | 10 | | 4 | | | TO-92-4 | | |