

Surface Mount Devices

General Purpose Transistors

| Type | Package | Ratings | | | h _{FE} | | V _{CE(sat)} | | f _T | Pinout See Section VII |
|------------|---------|-----------------------|-----------------------|----------------------|--|---|----------------------|------------|----------------|---------------------------------|
| | | V _{CEO} V | V _{CBO} V | I _C mA | min./max. at I _C /V _{CE} mA/V | max. at I _C /I _B mA/mA | V | typ MHz | | |
| NPN | | | | | | | | | | |
| BC868 | SOT-89 | 20 | 25 | 1000 | 85/375 | 500/1 | 0.50 | 1000/100 | 60 | AE |
| BCP68 | SOT-223 | 20 | 25 | 1000 | 85/375 | 500/1 | 0.50 | 1000/100 | 60 | R |
| BC818-16 | SOT-23 | 25 | 25 | 500 | 100/250 | 100/1 | 0.62 | 500/50 | 100 | F |
| BC818-25 | SOT-23 | 25 | 25 | 500 | 160/400 | 100/1 | 0.62 | 500/50 | 100 | F |
| BC818-40 | SOT-23 | 25 | 25 | 500 | 250/600 | 100/1 | 0.62 | 500/50 | 100 | F |
| BCX20 | SOT-23 | 25 | 30 | 500 | 100/600 | 100/1 | 0.62 | 500/50 | 200 | F |
| BC818W | SOT-323 | 25 | 25 | 500 | 100/600 | 100/1 | 0.62 | 500/50 | 100 | AC |
| BC848W | SOT-323 | 30 | 30 | 200 | 125/900 | 2/5 | 0.25 | 10/0.5 | 300 | AC |
| BC849W | SOT-323 | 30 | 30 | 100 | 240/900 | 2/5 | 0.25 | 10/0.5 | 300 | AC |
| BC848A | SOT-23 | 30 | 30 | 200 | 110/220 | 2/5 | 0.25 | 10/0.5 | 300 | F |
| BC848B | SOT-23 | 30 | 30 | 200 | 200/450 | 2/5 | 0.25 | 10/0.5 | 300 | F |
| BC848C | SOT-23 | 30 | 30 | 200 | 420/800 | 2/5 | 0.25 | 10/0.5 | 300 | F |
| BCV61 | SOT-143 | 30 | 30 | 100 | 100/800 | 2/5 | 0.25 | 10/0.5 | 300 | G |
| PMBT2222 | SOT-23 | 30 | 60 | 600 | 100/300 | 150/10 | 0.4 | 150/15 | >250 | F |
| BCW31 | SOT-23 | 32 | 32 | 100 | 110/220 | 2/5 | 0.25 | 10/0.5 | 300 | F |
| BCW32 | SOT-23 | 32 | 32 | 100 | 220/450 | 2/5 | 0.25 | 10/0.5 | 300 | F |
| BCW33 | SOT-23 | 32 | 32 | 100 | 420/800 | 2/5 | 0.25 | 10/0.5 | 300 | F |
| BCW60A | SOT-23 | 32 | 32 | 200 | 120/220 | 2/5 | 0.35 | 10/0.25 | 250 | F |
| BCW60B | SOT-23 | 32 | 32 | 200 | 180/310 | 2/5 | 0.35 | 10/0.25 | 250 | F |
| BCW60C | SOT-23 | 32 | 32 | 200 | 250/460 | 2/5 | 0.35 | 10/0.25 | 250 | F |
| BCW60D | SOT-23 | 32 | 32 | 200 | 380/630 | 2/5 | 0.35 | 10/0.25 | 250 | F |
| PMBTA20 | SOT-23 | 40 | 40 | 100 | 40/400 | 5/10 | 0.25 | 10/1 | >125 | F |
| PMBT3903 | SOT-23 | 40 | 60 | 200 | 50/150 | 10/1 | 0.20 | 10/1 | >250 | F |
| PMBT3904 | SOT-23 | 40 | 60 | 200 | 100/300 | 10/1 | 0.20 | 10/1 | >300 | F |
| PXT3904 | SOT-89 | 40 | 60 | 200 | 100/300 | 10/1 | 0.20 | 10/1 | >300 | AE |
| PZT3904 | SOT-223 | 40 | 60 | 200 | 100/300 | 10/1 | 0.20 | 10/1 | >300 | R |
| PZT4401 | SOT-223 | 40 | 60 | 600 | 100/300 | 150/1 | 0.75 | 500/50 | 250 | R |
| PXT4401 | SOT-89 | 40 | 60 | 600 | 100/300 | 150/1 | 0.4 | 150/15 | >250 | AE |
| PMBT2222A | SOT-23 | 40 | 75 | 600 | 100/300 | 150/10 | 0.3 | 150/15 | >300 | F |
| PXT2222A | SOT-89 | 40 | 75 | 600 | 100/300 | 150/10 | 0.3 | 150/15 | >300 | AE |
| PZT2222A | SOT-223 | 40 | 75 | 600 | 100/300 | 150/10 | 0.3 | 150/15 | >300 | R |
| BC817-16 | SOT-23 | 45 | 45 | 500 | 100/250 | 100/1 | 0.62 | 500/50 | 100 | F |
| BC817-25 | SOT-23 | 45 | 45 | 500 | 160/400 | 100/1 | 0.62 | 500/50 | 100 | F |
| BC817-40 | SOT-23 | 45 | 45 | 500 | 250/600 | 100/1 | 0.62 | 500/50 | 100 | F |
| BCP54 | SOT-223 | 45 | 45 | 1000 | 40/250 | 150/2 | 0.5 | 500/50 | 130 | R |
| BCX54 | SOT-89 | 45 | 45 | 1000 | 40/250 | 150/2 | 0.50 | 500/50 | 130 | AE |
| BCX70G | SOT-23 | 45 | 45 | 200 | 120/220 | 2/5 | 0.35 | 10/0.25 | 250 | F |
| BCX70H | SOT-23 | 45 | 45 | 200 | 180/310 | 2/5 | 0.35 | 10/0.25 | 250 | F |
| BCX70J | SOT-23 | 45 | 45 | 200 | 250/460 | 2/5 | 0.35 | 10/0.25 | 250 | F |
| BCX70K | SOT-23 | 45 | 45 | 200 | 380/630 | 2/5 | 0.35 | 10/0.25 | 250 | F |
| BC847A | SOT-23 | 45 | 50 | 200 | 110/220 | 2/5 | 0.25 | 10/0.5 | 300 | F |
| BC847B | SOT-23 | 45 | 50 | 200 | 200/450 | 2/5 | 0.25 | 10/0.5 | 300 | F |
| BC847C | SOT-23 | 45 | 50 | 200 | 420/800 | 2/5 | 0.25 | 10/0.5 | 300 | F |
| BCW71 | SOT-23 | 45 | 50 | 100 | 110/220 | 2/5 | 0.25 | 10/0.5 | 300 | F |
| BCW72 | SOT-23 | 45 | 50 | 100 | 200/450 | 2/5 | 0.25 | 10/0.5 | 300 | F |
| BCW81 | SOT-23 | 45 | 50 | 100 | 420/800 | 2/5 | 0.25 | 10/0.5 | 300 | F |
| BCX19 | SOT-23 | 45 | 50 | 500 | 100/600 | 100/1 | 0.62 | 500/50 | 200 | F |
| BC817W | SOT-323 | 45 | 45 | 500 | 100/600 | 100/1 | 0.62 | 500/50 | 100 | AC |
| BC847W | SOT-323 | 45 | 50 | 200 | 125/900 | 2/5 | 0.25 | 10/0.5 | 300 | AC |
| BC850W | SOT-323 | 45 | 50 | 100 | 240/900 | 2/5 | 0.25 | 10/0.5 | 300 | AC |
| BC860W | SOT-323 | 45 | 50 | 100 | 125/900 | 2/5 | 0.75 | 10/0.5 | 150 | AC |
| BCP55 | SOT-223 | 60 | 60 | 1000 | 40/250 | 150/2 | 0.5 | 500/50 | 130 | R |
| BCX55 | SOT-89 | 60 | 60 | 1000 | 40/250 | 150/2 | 0.50 | 500/50 | 130 | AE |

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