

# ON SEMICONDUCTOR Transistors

ON Semiconductor®



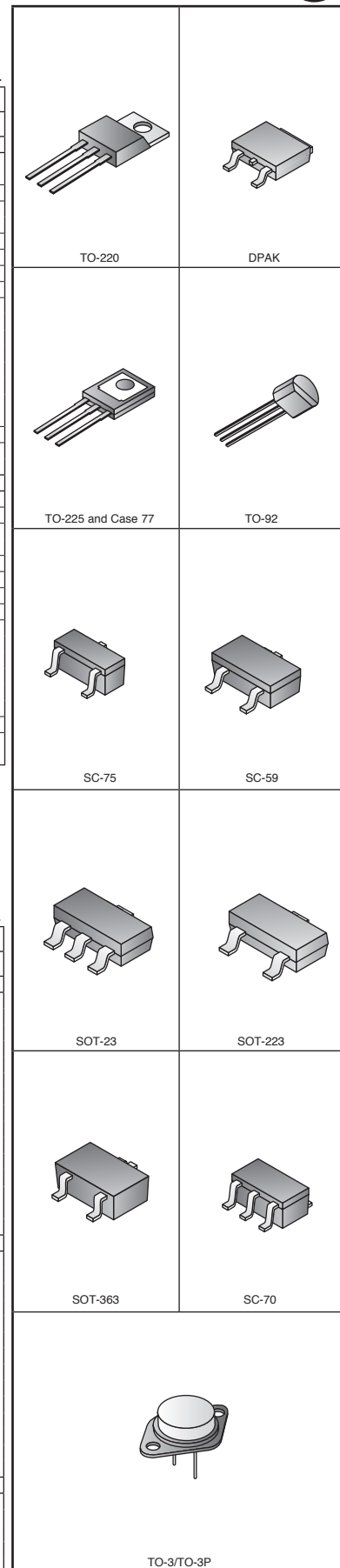
RoHS Compliant This product is RoHS compliant.

## ON SEMICONDUCTOR GENERAL AUDIO BIPOLAR TRANSISTORS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | ON Semi Part No. | Package | VCEO Min (V) | IC Max (A) | hFE |     | Price Each |      |      |      |
|------------------|------------------|---------|--------------|------------|-----|-----|------------|------|------|------|
|                  |                  |         |              |            | Min | Max | 1          | 25   | 100  | 500  |
| <b>NPN</b>       |                  |         |              |            |     |     |            |      |      |      |
| ◆ 863-MJD200G    | MJD200G          | DPAK    | 25           | 5.0        | 45  | 180 | .56        | .461 | .345 | .29  |
| ◆ 863-MJD200T4G  | MJD200T4G        | DPAK    | 25           | 5.0        | 45  | 180 | .60        | .494 | .372 | .312 |
| 863-MJE200G      | MJE200G          | Case 77 | 40           | 5.0        | 45  | 180 | .54        | .414 | .356 | .30  |
| 863-MJE15028G    | MJE15028G        | TO-220  | 120          | 8          | 40  | -   | 1.21       | .966 | .746 | .659 |
| 863-MJ15015G     | MJ15015G         | TO-3    | 120          | 15         | 10  | 70  | 2.57       | 2.06 | 1.83 | 1.60 |
| 863-MJ15003G     | MJ15003G         | TO-3    | 140          | 20         | 25  | 150 | 3.78       | 3.09 | 2.79 | 2.50 |
| 863-MJE15030G    | MJE15030G        | TO-220  | 150          | 8          | 20  | -   | 1.46       | 1.16 | .894 | .79  |
| 863-MJ15022G     | MJ15022G         | TO-3    | 200          | 16         | 15  | 60  | 4.07       | 3.34 | 3.01 | 2.70 |
| 863-MJW3281AG    | MJW3281AG        | TO-247  | 230          | 15         | 50  | 200 | 3.22       | 2.55 | 2.41 | 2.16 |
| 863-MJE15032G    | MJE15032G        | TO-220  | 250          | 8          | 10  | -   | 1.19       | 1.03 | .793 | .701 |
| 863-MJW3281G     | MJW3281G         | TO-3P   | 250          | 15         | 75  | 150 | 2.80       | 2.27 | 2.05 | 1.80 |
| 863-MJ15024G     | MJ15024G         | TO-3    | 250          | 16         | 15  | 60  | 4.07       | 3.34 | 3.01 | 2.70 |
| 863-MJW21194G    | MJW21194G        | TO-247  | 250          | 16         | 20  | 80  | 3.87       | 3.17 | 2.86 | 2.57 |
| 863-MJ21194G     | MJ21194G         | TO-3    | 250          | 16         | 25  | 75  | 4.07       | 3.34 | 3.01 | 2.70 |
| 863-MJ21196G     | MJ21196G         | TO-3    | 250          | 16         | 25  | 75  | 3.78       | 3.09 | 2.79 | 2.50 |
| 863-MJL21194G    | MJL21194G        | TO-264  | 250          | 16         | 25  | 75  | 4.50       | 3.69 | 3.33 | 2.98 |
| 863-MJL21196G    | MJL21196G        | TO-264  | 250          | 16         | 25  | 100 | 4.25       | 3.48 | 3.14 | 2.82 |
| 863-MJL3281AG    | MJL3281AG        | TO-264  | 260          | 15         | 75  | 150 | 3.57       | 3.50 | 2.64 | 2.07 |
| 863-MJE15034G    | MJE15034G        | TO-220  | 350          | 4          | 100 | -   | 1.40       | 1.11 | .857 | .758 |
| 863-MJL4281AG    | MJL4281AG        | TO-264  | 350          | 15         | 80  | 250 | 5.62       | 5.25 | 4.25 | 3.87 |
| <b>PNP</b>       |                  |         |              |            |     |     |            |      |      |      |
| ◆ 863-MJD210G    | MJD210G          | DPAK    | -25          | -5         | 45  | 180 | .54        | .399 | .332 | .278 |
| 863-MJE210G      | MJE210G          | Case 77 | -40          | -5         | 45  | 180 | .49        | .414 | .292 | .245 |
| 863-MJE15029G    | MJE15029G        | TO-220  | -120         | -8         | 40  | -   | 1.24       | 1.08 | .772 | .656 |
| 863-MJ15016G     | MJ15016G         | TO-3    | -120         | -15        | 10  | 70  | 2.98       | 2.53 | 1.85 | 1.56 |
| 863-MJ15004G     | MJ15004G         | TO-3    | -140         | -20        | 25  | 150 | 3.20       | 3.10 | 2.57 | 2.03 |
| 863-MJE15031G    | MJE15031G        | TO-220  | -150         | -8         | 40  | -   | 1.24       | 1.08 | .772 | .656 |
| 863-MJ15023G     | MJ15023G         | TO-3    | -200         | -16        | 15  | 60  | 4.07       | 3.75 | 2.86 | 2.36 |
| 863-MJW1302AG    | MJW1302AG        | TO-247  | -230         | -15        | 50  | 200 | 3.22       | 2.82 | 2.12 | 1.83 |
| 863-MJE15033G    | MJE15033G        | TO-220  | -250         | -8         | 10  | -   | 1.19       | 1.10 | .745 | .633 |
| 863-MJ15025G     | MJ15025G         | TO-3    | -250         | -16        | 15  | 60  | 4.07       | 3.50 | 2.86 | 2.36 |
| 863-MJW21193G    | MJW21193G        | TO-247  | -250         | -16        | 20  | 80  | 3.87       | 3.30 | 2.72 | 2.34 |
| 863-MJ21193G     | MJ21193G         | TO-3    | -250         | -16        | 25  | 75  | 4.07       | 3.55 | 2.86 | 2.36 |
| 863-MJ21195G     | MJ21195G         | TO-3    | -250         | -16        | 25  | 75  | 3.50       | 3.12 | 2.45 | 2.03 |
| 863-MJL21193G    | MJL21193G        | TO-264  | -250         | -16        | 25  | 75  | 4.50       | 3.74 | 3.15 | 2.72 |
| 863-MJL1302AG    | MJL1302AG        | TO-264  | -260         | -15        | 75  | 150 | 3.57       | 3.50 | 2.64 | 2.37 |
| 863-MJE15035G    | MJE15035G        | TO-220  | -350         | -4         | 100 | -   | 1.30       | 1.12 | .87  | .74  |
| 863-MJL4302AG    | MJL4302AG        | TO-264  | -350         | -15        | 80  | 250 | 5.62       | 4.78 | 4.08 | 3.63 |



Transistors ON Semiconductor

## ON SEMICONDUCTOR BIAS RESISTORS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

| MOUSER STOCK NO.       | ON Semi Part No. | Package | VCEO Min (V) | hFE Min/Typ | R1 (KΩ) | R2 (KΩ) | Price Each |      |      |      |
|------------------------|------------------|---------|--------------|-------------|---------|---------|------------|------|------|------|
|                        |                  |         |              |             |         |         | 1          | 25   | 100  | 500  |
| <b>NPN</b>             |                  |         |              |             |         |         |            |      |      |      |
| ◆ 863-DTC114TM3T5G     | DTC114TM3T5G     | SC-59   | 50           | 160/350     | 10      | -       | .19        | .16  | .12  | .09  |
| ◆ 863-DTA114EM3T5G     | DTA114EM3T5G     | SOT-723 | 50           | 35/60       | 10      | 10      | .13        | .09  | .08  | .076 |
| ◆ 863-DTC114EM3T5G     | DTC114EM3T5G     | SOT-23  | 50           | 35/60       | 10      | 10      | .19        | .16  | .12  | .09  |
| ◆ 863-MUN5311DW1T1G    | MUN5311DW1T1G    | SC-88   | 50           | 35/60       | 10      | 10      | .34        | .22  | .101 | .079 |
| ◆ 863-DTA124EM3T5G     | DTA124EM3T5G     | SOT-723 | 50           | 60/100      | 22      | 22      | .19        | .16  | .12  | .09  |
| ◆ 863-DTA123EM3T5G     | DTA123EM3T5G     | SOT-723 | 50           | 8.0/15      | 2.2     | 2.2     | .19        | .16  | .12  | .09  |
| ◆ 863-DTC123EM3T5G     | DTC123EM3T5G     | SOT-353 | 50           | 8.0/15      | 2.2     | 2.2     | .19        | .16  | .12  | .09  |
| ◆ 863-DTA124XM3T5G     | DTA124XM3T5G     | SOT-723 | 50           | 80/130      | 22      | 47      | .19        | .16  | .12  | .09  |
| ◆ 863-DTA143ZM3T5G     | DTA143ZM3T5G     | SOT-723 | 50           | 80/140      | 4.7     | 47      | .19        | .16  | .12  | .09  |
| ◆ 863-DTC114YM3T5G     | DTC114YM3T5G     | SC-59   | 50           | 80/140      | 10      | 47      | .19        | .16  | .12  | .09  |
| ◆ 863-DTA144EM3T5G     | DTA144EM3T5G     | SOT-723 | 50           | 80/140      | 47      | 47      | .19        | .16  | .12  | .09  |
| ◆ 863-DTA115EM3T5G     | DTA115EM3T5G     | SOT-723 | 50           | 80/150      | 100     | 100     | .14        | .12  | .108 | .09  |
| ◆ 863-DTC115EM3T5G     | DTC115EM3T5G     | SC-70   | 50           | 80/150      | 100     | 100     | .19        | .16  | .12  | .09  |
| ◆ 863-MMUN2231LT1G     | MMUN2231LT1G     | SOT-23  | 50           | 8.0/15      | 2.2     | 2.2     | .22        | .098 | .064 | .045 |
| ◆ 863-MMUN2233LT1G     | MMUN2233LT1G     | SOT-23  | 50           | 80/200      | 3.3     | 4.7     | .22        | .098 | .064 | .045 |
| <b>PNP</b>             |                  |         |              |             |         |         |            |      |      |      |
| ◆ 863-DTC143TM3T5G     | DTC143TM3T5G     | SOT-723 | -50          | 160/350     | 47      | -       | .14        | .09  | .08  | .079 |
| ◆ 863-DTC144WM3T5G     | DTC144WM3T5G     | SOT-723 | -50          | 80/140      | 47      | 22      | .19        | .16  | .12  | .09  |
| ◆ 863-MUN5213T1G       | MUN5213T1G       | SOT-23  | -50          | 80/140      | 47      | 47      | .27        | .117 | .076 | .054 |
| ◆ 863-NSB1706DMW5T1G   | NSB1706DMW5T1G   | SC-59   | -50          | 80/200      | 10      | 10      | .28        | .23  | .188 | .125 |
| ◆ 863-DTC144EM3T5G     | DTC144EM3T5G     | SOT-723 | -50          | 80/140      | 47      | 47      | .19        | .16  | .12  | .09  |
| ◆ 863-DTC124XM3T5G     | DTC124XM3T5G     | SOT-723 | -50          | 80/150      | 22      | 47      | .19        | .16  | .12  | .09  |
| ◆ 863-DTC143EM3T5G     | DTC143EM3T5G     | SOT-723 | -50          | 15/30       | 4.7     | 4.7     | .14        | .09  | .08  | .079 |
| ◆ 863-DTC143ZM3T5G     | DTC143ZM3T5G     | SOT-723 | -50          | 80/200      | 4.7     | 47      | .19        | .16  | .12  | .09  |
| ◆ 863-DTC144TM3T5G     | DTC144TM3T5G     | SOT-723 | -50          | 160/350     | 47      | -       | .19        | .16  | .12  | .09  |
| ◆ 863-MMUN2211LT1G     | MMUN2211LT1G     | SOT-723 | -50          | 35/60       | .47     | 4.7     | .24        | .106 | .069 | .049 |
| ◆ 863-MUN2111T1G       | MUN2111T1G       | SOT-723 | -50          | 35/60       | 10      | 10      | .17        | .127 | .052 | .041 |
| ◆ 863-MUN2211T1G       | MUN2211T1G       | SOT-723 | -50          | 35/60       | 10      | 10      | .27        | .117 | .076 | .054 |
| ◆ 863-DTC124EM3T5G     | DTC124EM3T5G     | SOT-723 | -50          | 60/100      | 22      | 22      | .19        | .16  | .12  | .09  |
| ◆ 863-MMUN2111LT1G     | MMUN2111LT1G     | SOT-723 | -50          | 35/60       | 10      | 10      | .16        | .119 | .051 | .04  |
| <b>Complementary</b>   |                  |         |              |             |         |         |            |      |      |      |
| ◆ 863-NSBC114YDPXV6T1G | NSBC114YDPXV6T1G | SOT-563 | 50/-50       | 80/140      | 10      | 47      | .39        | .25  | .168 | .135 |
| ◆ 863-NSBC123JDPXV6T5G | NSBC123JDPXV6T5G | SOT-563 | 50/-50       | 80/140      | 2.2     | 47      | .35        | .32  | .233 | .185 |
| ◆ 863-NSBC143TPDXV6T1G | NSBC143TPDXV6T1G | SOT-563 | 50/-50       | 80/140      | 4.7     | -       | .33        | .328 | .203 | .164 |
| ◆ 863-NSBC144EPDXV6T1G | NSBC144EPDXV6T1G | SOT-563 | 50/-50       | 80/140      | 47      | 47      | .39        | .34  | .205 | .151 |
| ◆ 863-MUN5316DW1T1G    | MUN5316DW1T1G    | SOT-363 | 50/-50       | 160/350     | 4.7     | -       | .07        | .05  | .043 | .035 |