



| Fig. | VRRM (V) | IF       | Package Type      | Digi-Key Part No.    | Cut Tape Pricing |       |        | Digi-Key Part No.    | Tape and Reel  |           | STMicroelectronics Part No. |            |
|------|----------|----------|-------------------|----------------------|------------------|-------|--------|----------------------|----------------|-----------|-----------------------------|------------|
|      |          |          |                   |                      | 1                | 10    | 100    |                      | Qty.           | Pricing   |                             |            |
| 11   | 25       | 2A       | SMB               | 497-5573-1-ND◆       | .89              | 7.63  | 60.26  | 497-5573-2-ND◆       | 2,500          | 291.76/M  | STPS2L25U                   |            |
|      | 25       | 2A       | SMB Flat          | 497-8029-1-ND◆       | 1.09             | 9.43  | 74.40  | 497-8029-2-ND◆       | 5,000          | 334.41/M  | STPS2L25UF                  |            |
|      | 25       | 3A       | SMC               | 497-3760-1-ND◆       | 1.09             | 9.43  | 74.40  | 497-3760-2-ND◆       | 2,500          | 359.10/M  | STPS3L25S                   |            |
|      | 30       | 1A       | SMA               | 497-3755-1-ND◆       | .65              | 5.18  | 38.88  | 497-3755-2-ND◆       | 5,000          | 170.57/M  | STPS130A                    |            |
|      | 30       | 1A       | SMA               | 497-6577-1-ND◆       | .56              | 4.44  | 33.33  | 497-6577-2-ND◆       | 5,000          | 147.01/M  | STPS1L30A                   |            |
|      | 30       | 1A       | SMB               | 497-2468-1-ND◆       | .66              | 5.24  | 35.89  | 497-2468-2-ND◆       | 2,500          | 151.50/M  | STPS1L30U                   |            |
|      | 30       | 2A       | SMA               | 497-3759-1-ND◆       | .99              | 8.53  | 67.33  | 497-3759-2-ND◆       | 5,000          | 302.99/M  | STPS2L30A                   |            |
|      | 30       | 2A       | SMB Flat          | 497-8030-1-ND◆       | 1.09             | 9.43  | 74.40  | 497-8030-2-ND◆       | 5,000          | 334.41/M  | STPS2L30UF                  |            |
|      | 40       | 1A       | SMA               | 497-2453-1-ND◆       | .58              | 4.60  | 31.51  | 497-2453-2-ND◆       | 5,000          | 125.69/M  | STPS140A                    |            |
|      | 40       | 1A       | SMA               | 497-3753-1-ND◆       | .58              | 4.69  | 35.18  | —                    | —              | —         | STPS1L40A                   |            |
|      | 40       | 1A       | SMB               | 497-2490-1-ND◆       | .68              | 5.38  | 36.76  | 497-2490-2-ND◆       | 2,500          | 155.98/M  | STPS140U                    |            |
|      | 40       | 2A       | SMB               | 497-5574-1-ND◆       | .75              | 6.03  | 45.18  | 497-5574-2-ND◆       | 2,500          | 212.09/M  | STPS2L40U                   |            |
|      | 40       | 2A       | SMB Flat          | 497-8031-1-ND◆       | .99              | 8.48  | 66.99  | 497-8031-2-ND◆       | 5,000          | 301.87/M  | STPS2L40UF                  |            |
|      | 40       | 3A       | SMB               | 497-2465-1-ND◆       | .83              | 7.16  | 56.56  | 497-2465-2-ND◆       | 2,500          | 273.81/M  | STPS340U                    |            |
|      | 40       | 3A       | SMB Flat          | 497-8036-1-ND◆       | .83              | 7.16  | 56.56  | 497-8036-2-ND◆       | 5,000          | 254.73/M  | STPS3L40UF                  |            |
|      | 40       | 3A       | SMC               | 497-2464-1-ND◆       | .79              | 6.73  | 53.19  | 497-2464-2-ND◆       | 2,500          | 256.98/M  | STPS340S                    |            |
|      | 40       | 3A       | SMC               | 497-4673-1-ND◆       | .89              | 7.63  | 60.26  | 497-4673-2-ND◆       | 2,500          | 291.76/M  | STPS3L40S                   |            |
|      | 60       | 5A       | SMC               | 497-8487-1-ND◆       | 1.09             | 9.43  | 74.40  | 497-8487-2-ND◆       | 2,500          | 359.10/M  | STPS5L60S                   |            |
|      | 60       | 1A       | SMA               | 497-2463-1-ND◆       | .56              | 4.44  | 33.33  | 497-2463-2-ND◆       | 5,000          | 147.01/M  | STPS1L60A                   |            |
|      | 60       | 1A       | SMA               | 497-3756-1-ND◆       | .83              | 7.16  | 56.56  | 497-3756-2-ND◆       | 5,000          | 254.73/M  | STPS160A                    |            |
|      | 60       | 1A       | SMB               | 497-7547-1-ND◆       | .75              | 5.97  | 44.81  | 497-7547-2-ND◆       | 2,500          | 210.97/M  | STPS160U                    |            |
|      | 60       | 3A       | SMB               | 497-6584-1-ND◆       | .79              | 6.73  | 53.19  | 497-6584-2-ND◆       | 2,500          | 256.98/M  | STPS3L60U                   |            |
|      | 60       | 2A       | SMA               | 497-2461-1-ND◆       | .68              | 5.43  | 40.73  | 497-2461-2-ND◆       | 5,000          | 179.55/M  | STPS2L60U                   |            |
|      | 60       | 3A       | SMC               | 497-2454-1-ND◆       | .84              | 7.29  | 57.57  | 497-2454-2-ND◆       | 2,500          | 278.30/M  | STPS3L60S                   |            |
|      | 100      | 1A       | SMA               | 497-3209-1-ND◆       | .56              | 4.44  | 33.33  | 497-3209-2-ND◆       | 5,000          | 147.01/M  | STPS1H100A                  |            |
|      | 100      | 1A       | SMB               | 497-3210-1-ND◆       | .58              | 4.69  | 35.18  | 497-3210-2-ND◆       | 2,500          | 164.96/M  | STPS1H100U                  |            |
|      | 100      | 2A       | SMA               | 497-3758-1-ND◆       | 1.03             | 8.95  | 70.70  | 497-3758-2-ND◆       | 5,000          | 318.70/M  | STPS2H100A                  |            |
|      | 100      | 2A       | SMB               | 497-6580-1-ND◆       | 1.08             | 9.62  | 76.35  | 497-6580-2-ND◆       | 2,500          | 396.13/M  | STPS2H100U                  |            |
|      | 100      | 2A       | SMB Flat          | 497-8028-1-ND◆       | 1.09             | 9.43  | 74.40  | 497-8028-2-ND◆       | 5,000          | 334.41/M  | STPS2H100UF                 |            |
|      | 150      | 1A       | SMA               | 497-7545-1-ND◆       | .68              | 5.38  | 36.76  | 497-7545-2-ND◆       | 5,000          | 145.88/M  | STPS1150A                   |            |
|      | 150      | 2A       | SMA               | 497-2467-1-ND◆       | .58              | 4.69  | 35.18  | 497-2467-2-ND◆       | 5,000          | 154.86/M  | STPS2150A                   |            |
|      | 150      | 3A       | SMB               | 497-6583-1-ND◆       | .91              | 7.26  | 54.44  | 497-6583-2-ND◆       | 2,500          | 255.86/M  | STPS3150U                   |            |
|      | 150      | 3A       | SMB Flat          | 497-8034-1-ND◆       | .84              | 7.25  | 57.23  | 497-8034-2-ND◆       | 5,000          | 258.10/M  | STPS3150UF                  |            |
|      | 12       | 10       | 3A                | SOD-323              | 497-3707-1-ND◆   | .63   | 4.47   | 29.74                | 497-3707-2-ND◆ | 3,000     | 106.61/M                    | BAT60JFILM |
|      |          | 20       | 0.5A              | SOD-123              | 497-3205-1-ND◆   | .55   | 4.29   | 29.32                | 497-3205-2-ND◆ | 3,000     | 124.56/M                    | STPS0520Z  |
|      |          | 23       | 1A                | SOD-323              | 497-3381-1-ND◆   | .67   | 4.80   | 31.98                | 497-3381-2-ND◆ | 3,000     | 115.59/M                    | BAT20JFILM |
|      |          | 40       | 300mA             | SOT-323              | 497-7163-1-ND◆   | .66   | 4.71   | 28.28                | 497-7163-2-ND◆ | 3,000     | 94.26/M                     | BAT54JFILM |
|      |          | 40       | 350mA             | SOD-123              | 497-5712-1-ND◆   | .61   | 4.30   | 28.62                | 497-5712-2-ND◆ | 3,000     | 103.24/M                    | BAT48ZFILM |
|      |          | 40       | 350mA             | SOD-323              | 497-5711-1-ND◆   | .61   | 4.30   | 28.62                | 497-5711-2-ND◆ | 3,000     | 103.24/M                    | BAT48JFILM |
|      |          | 40       | 0.5A              | SOD-123              | 497-7538-1-ND◆   | .49   | 3.91   | 26.70                | 497-7538-2-ND◆ | 3,000     | 113.34/M                    | STPS0540Z  |
| 40   |          | 1A       | SOD-123           | 497-7546-1-ND◆       | .65              | 5.18  | 38.88  | 497-7546-2-ND◆       | 3,000          | 182.92/M  | STPS140Z                    |            |
| 60   |          | 0.5A     | SOD-123           | 497-3787-1-ND◆       | .59              | 4.67  | 31.95  | 497-3787-2-ND◆       | 3,000          | 134.66/M  | STPS0560Z                   |            |
| 70   |          | 70mA     | SOD-123           | 497-5696-1-ND◆       | .63              | 4.49  | 26.93  | 497-5696-2-ND◆       | 3,000          | 89.78/M   | BAS70ZFILM                  |            |
| 70   |          | 70mA     | SOD-323           | 497-6652-1-ND◆       | .66              | 4.71  | 28.28  | 497-6652-2-ND◆       | 3,000          | 94.26/M   | BAS70JFILM                  |            |
| 100  |          | 150mA    | SOD-123           | 497-5559-1-ND◆       | .61              | 4.30  | 28.62  | 497-5559-2-ND◆       | 3,000          | 103.24/M  | BAT46ZFILM                  |            |
| 100  |          | 150mA    | SOD-323           | 497-6653-1-ND◆       | .66              | 4.71  | 28.28  | 497-6653-2-ND◆       | 3,000          | 94.26/M   | BAT46JFILM                  |            |
| 100  |          | 200mA    | SOD-123           | 497-5558-1-ND◆       | .58              | 4.13  | 27.49  | 497-5558-2-ND◆       | 3,000          | 98.75/M   | BAT41ZFILM                  |            |
| 13   |          | 20       | 0.5A              | DO-216AA             | 497-4390-1-ND◆   | .56   | 4.39   | 30.06                | —              | —         | —                           | STPS0520M  |
|      |          | 20       | 1A                | DO-216AA             | 497-3211-1-ND◆   | .64   | 5.08   | 38.14                | 497-3211-2-ND◆ | 12,000    | 155.98/M                    | STPS1L20M  |
|      | 20       | 1A       | DO-216AA          | 497-6573-1-ND◆       | .56              | 4.44  | 33.33  | 497-6573-2-ND◆       | 12,000         | 136.91/M  | STPS120M                    |            |
|      | 30       | 1A       | DO-216AA          | 497-8025-1-ND◆       | .58              | 4.69  | 35.18  | 497-8025-2-ND◆       | 12,000         | 143.64/M  | STPS1L30M                   |            |
|      | 40       | 1A       | DO-216AA          | 497-3212-1-ND◆       | .58              | 4.69  | 35.18  | 497-3212-2-ND◆       | 12,000         | 143.64/M  | STPS1L40M                   |            |
| 14   | 30       | 200mA    | MINIMELF          | 497-3272-1-ND◆       | .52              | 4.03  | 27.57  | 497-3272-2-ND◆       | 2,500          | 116.71/M  | TMMBAT42FILM                |            |
|      | 40       | 350mA    | MINIMELF          | 497-3274-1-ND◆       | .61              | 4.74  | 32.39  | 497-3274-2-ND◆       | 2,500          | 136.91/M  | TMMBAT48FILM                |            |
|      | 100      | 100mA    | MINIMELF          | 497-7669-1-ND◆       | .56              | 4.41  | 30.20  | 497-7669-2-ND◆       | 2,500          | 127.93/M  | TMMBAT41FILM                |            |
|      | 100      | 150mA    | MINIMELF          | 497-3273-1-ND◆       | .59              | 4.79  | 35.92  | 497-3273-2-ND◆       | 2,500          | 168.33/M  | TMMBAT46FILM                |            |
| 15   | 45       | 2 x 15A  | SOT-93            | 497-3215-ND◆         | 3.18             | 28.33 | 232.34 | —                    | —              | —         | STPS3045CP                  |            |
| 16   | 45       | 2 x 15A  | TOP-3i            | 497-3526-ND◆         | 3.30             | 29.46 | 241.54 | —                    | —              | —         | STPS3045PIRG                |            |
| 17   | 40       | 1A       | MELF              | 497-7668-1-ND◆       | .62              | 4.94  | 37.03  | 497-7668-2-ND◆       | 1,500          | 190.77/M  | TMBYV10-40FILM              |            |
|      | 60       | 1A       | MELF              | 497-6601-1-ND◆       | .62              | 4.94  | 37.03  | 497-6601-2-ND◆       | 1,500          | 190.77/M  | TMBYV10-60FILM              |            |
|      | 80       | 500mA    | MELF              | 497-3788-1-ND◆       | .57              | 4.48  | 30.63  | 497-3788-2-ND◆       | 1,500          | 141.40/M  | TMBAT49FILM                 |            |
| 18   | 45       | 2 x 10A  | TO-220FPAB        | 497-6080-5-ND◆       | 1.86             | 16.45 | 130.05 | —                    | —              | —         | STPS2045CFP                 |            |
|      | 45       | 2 x 15A  | TO-220FPAB        | 497-4393-5-ND◆       | 1.92             | 17.35 | 139.37 | —                    | —              | —         | STPS30L45CFP                |            |
|      | 60       | 2 x 10A  | TO-220FPAB        | 497-7563-5-ND◆       | 2.45             | 22.05 | 177.19 | —                    | —              | —         | STPS30L60CFP                |            |
|      | 100      | 2 x 5A   | TO-220FPAB        | 497-7540-5-ND◆       | 1.46             | 12.87 | 101.72 | —                    | —              | —         | STPS10H100CFP               |            |
|      | 100      | 2 x 10A  | TO-220FPAB        | 497-6745-5-ND◆       | 3.12             | 28.21 | 226.73 | —                    | —              | —         | STPS20H100CFP               |            |
|      | 100      | 2 x 10A  | TO-220FPAB        | 497-7554-5-ND◆       | 1.85             | 16.42 | 129.77 | —                    | —              | —         | STPS20S100CFP               |            |
|      | 120      | 2 x 10A  | TO-220FPAB        | 497-7548-5-ND◆       | 1.73             | 15.64 | 125.68 | —                    | —              | —         | STPS20L120CFP               |            |
|      | 150      | 2 x 5A   | TO-220FPAB        | 497-7539-5-ND◆       | 1.23             | 10.96 | 86.61  | —                    | —              | —         | STPS10150CFP                |            |
|      | 150      | 2 x 10A  | TO-220FPAB        | 497-4391-5-ND◆       | 1.90             | 17.09 | 137.35 | —                    | —              | —         | STPS20150CFP                |            |
|      | 170      | 2 x 10A  | TO-220FPAB        | 497-7549-5-ND◆       | 3.12             | 28.21 | 226.73 | —                    | —              | —         | STPS20170CFP                |            |
| 19   | 45       | 15A      | TO-220FPAC        | 497-4824-5-ND◆       | 2.68             | 23.98 | 196.65 | —                    | —              | —         | STPS30170CFP                |            |
| 19   | 45       | 15A      | TO-220FPAC        | 497-10041-5-ND◆ NEW! | 1.57             | 13.88 | 109.70 | —                    | —              | —         | STPS1545FP                  |            |
| 20   | 45       | 2 x 15A  | I2PAK             | 497-4394-5-ND◆       | 1.83             | 16.50 | 132.56 | —                    | —              | —         | STPS30L45CR                 |            |
|      | 120      | 2 x 10A  | I2PAK             | 497-4625-5-ND◆       | 2.19             | 19.79 | 159.07 | —                    | —              | —         | STPS20120CR                 |            |
| 21   | 15       | 10mA     | SOT-866           | 497-5690-1-ND◆       | .46              | 3.61  | 24.75  | 497-5690-2-ND◆       | 3,000          | 104.36/M  | BAS69-09P6FILM              |            |
|      | 15       | 10mA     | SOT-866           | 497-5545-1-ND◆       | .46              | 3.61  | 24.75  | 497-5545-2-ND◆       | 3,000          | 122.32/M  | BAS69-07P6FILM              |            |
|      | 30       | 300mA    | SOT-866           | 497-5548-1-ND◆       | .61              | 4.74  | 32.39  | 497-5548-2-ND◆       | 3,000          | 136.91/M  | BAT30-09P6FILM              |            |
|      | 30       | 300mA    | SOT-866           | 497-5547-1-ND◆       | .58              | 4.60  | 31.51  | 497-5547-2-ND◆       | 3,000          | 133.54/M  | BAT30-07P6FILM              |            |
|      | 40       | 300mA    | SOT-866           | 497-5560-1-ND◆       | .45              | 3.51  | 24.05  | —                    | —              | —         | BAT54-07P6FILM              |            |
|      | 40       | 300mA    | SOT-866           | 497-5713-1-ND◆       | .45              | 3.51  | 24.05  | 497-5713-2-ND◆       | 3,000          | 102.12/M  | BAT54-09P6FILM              |            |
|      | 70       | 70mA     | SOT-866           | 497-5693-1-ND◆       | .45              | 3.51  | 24.05  | —                    | —              | —         | BAS70-09P6FILM              |            |
|      | 70       | 70mA     | SOT-866           | 497-5692-1-ND◆       | .45              | 3.51  | 24.05  | 497-5692-2-ND◆       | 3,000          | 125.69/M  | BAS70-07P6FILM              |            |
|      | 100      | 200mA    | SOT-866           | 497-5554-1-ND◆       | .48              | 3.83  | 26.17  | 497-5554-2-ND◆       | 3,000          | 136.91/M  | BAT41-07P6FILM              |            |
|      | 100      | 200mA    | SOT-866           | 497-5702-1-ND◆       | .64              | 4.99  | 34.14  | 497-5702-2-ND◆       | 3,000          | 144.76/M  | BAT41-09P6FILM              |            |
| 22   | 30       | 300mA    | SOD-523           | 497-5552-1-ND◆       | .63              | 4.47  | 29.74  | —                    | —              | —         | BAT30KFILM                  |            |
|      | 40       | 300mA    | SOD-523           | 497-5561-1-ND◆       | .63              | 4.47  | 29.74  | 497-5561-2-ND◆       | 3,000          | 106.61/M  | BAT54KFILM                  |            |
|      | 70       | 70mA     | SOD-523           | 497-5695-1-ND◆       | .63              | 4.47  | 29.74  | 497-5695-2-ND◆       | 3,000          | 106.61/M  | BAS70KFILM                  |            |
|      | 100      | 200mA    | SOD-523           | 497-5556-1-ND◆       | .71              | 4.97  | 33.10  | 497-5556-2-ND◆       | 3,000          | 118.95/M  | BAT41KFILM                  |            |
|      | 20       | 1A       | DO222-AA          | 497-8024-1-ND◆       | .91              | 7.26  | 54.44  | 497-8024-2-ND◆       | 12,000         | 222.19/M  | STPS1L20MF                  |            |
|      | 30       | 1A       | DO222-AA          | 497-8026-1-ND◆       | .91              | 7.26  | 54.44  | 497-8026-2-ND◆       | 12,000         | 222.19/M  | STPS1L30MF                  |            |
| 23   | 60       | 2A       | DO222-AA          | 497-10012-1-ND◆ NEW! | .84              | 6.77  | 50.73  | 497-10012-2-ND◆ NEW! | 12,000         | 207.60/M  | STPS1L60MF                  |            |
|      | 50       | 2A       | 16-DIP            | 497-8816-5-ND◆ NEW!  | 3.42             | 30.56 | 250.52 | —                    | —              | —         | E-L210                      |            |
| 24   | 30       | 2 x 7.5A | Power QFN (5 x 6) | 497-10102-1-ND◆ NEW! | 3.10             | 26.53 | 216.64 | 497-10102-2-ND◆ NEW! | 5,000          | 1149.10/M | STPS15L30CDJF-TR            |            |
|      | 45       | 30A      | Power QFN (5 x 6) | 497-10343-1-ND◆ NEW! | 3.22             | 27.57 | 225.17 | 497-10343-2-ND◆ NEW! | 5,000          | 1195.10/M | STPS3045DJF-TR              |            |
|      | 100      | 30A      | Power QFN (5 x 6) | 497-10342-1-ND◆ NEW! | 3.30             | 28.28 | 230.94 | 497-10342-2-ND◆ NEW! | 5,000          | 1225.40/M | STPS30M100DJF-TR            |            |
|      | 120      | 30A      | Power QFN (5 x 6) | 497-10101-1-ND◆ NEW! | 3.10             | 26.53 | 216.64 | 4                    |                |           |                             |            |