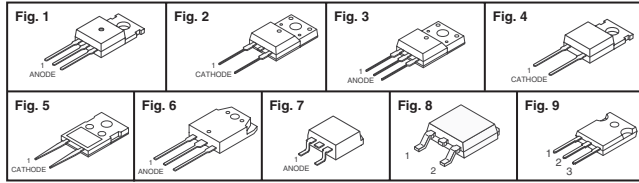
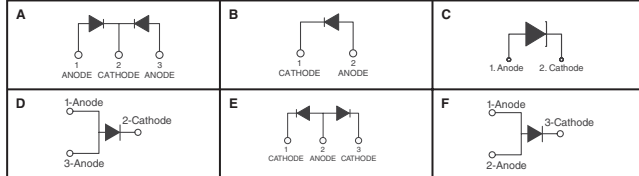




Ultrafast and Hyperfast Recovery Power Diodes



Pinning



| Fig. | Pinning | Peak Voltage VRRM (V) | Current IF (A) | Package | Digi-Key Part No. | Price Each | | | |
|---------------------|---------|-----------------------|----------------|------------|--------------------|---------------------|------------|------|------|
| | | | | | | 1 | 25 | 100 | |
| Ultrafast | | | | | | | | | |
| 1 | A | 200 | 15 | TO-220 | FFP30UP20DNTU-ND | 1.43 | 1.15 | 1.01 | |
| 2 | B | 600 | 8 | TO-220 | FFP08D60L2-ND | 1.24 | 1.00 | .87 | |
| | | 200 | 15 | TO-220F | FFPF15UP20STU-ND | .73 | .59 | .51 | |
| | | 200 | 30 | TO-220F | FFPF30UP20STU-ND | 1.08 | .87 | .76 | |
| | | 200 | 30 | TO-220F | FFPF30UP20STTU-ND | 1.13 | .91 | .79 | |
| | | 300 | 10 | TO-220F | FFPF10UP30STU-ND | .77 | .62 | .54 | |
| | | 300 | 10 | TO-220F | FFPF10UP30STTU-ND | .82 | .64 | .55 | |
| | | 600 | 4 | TO-220F-2 | FFPF04S60STU-ND | .87 | .70 | .61 | |
| | | 600 | 15 | TO-220F-2 | FFPF15S60STU-ND | 1.16 | .94 | .82 | |
| | | 600 | 30 | TO-220 | RHRP3060-ND | 1.92 | 1.55 | 1.40 | |
| | | 600 | 30 | TO-220F | FFPF30U60STTU-ND | 1.21 | .97 | .85 | |
| 3 | A | 1,200 | 15 | TO-220 | RHRP15120-ND | 1.42 | 1.15 | 1.04 | |
| | | 200 | 10 | TO-220F | FFPF20UP20DNTU-ND | .80 | .64 | .56 | |
| 4 | B | 600 | 20 | TO-220F | FFPF20UP60DNTU-ND | .91 | .73 | .64 | |
| | | 600 | 8 | TO-220-2L | FFP08H60STU-ND | .87 | .70 | .61 | |
| 5 | B | 600 | 15 | TO-220-2 | FFPF15S60STU-ND | 1.16 | .94 | .82 | |
| | | 600 | 30 | TO-220-2 | FFPF30S60STU-ND | 1.56 | 1.26 | 1.14 | |
| | | 600 | 50 | TO-247 | RHRG6060-ND | 3.63 | 2.92 | 2.66 | |
| | C | 400 | 60 | TO-247-2L | FFH60UP40S-ND | 2.75 | 2.22 | 2.02 | |
| | | 600 | 60 | TO-247-2L | FFH60UP60S-ND | 3.17 | 2.55 | 2.33 | |
| | 6 | A | 100 | 30 | TO-3P | FYA3010DNTU-ND | 1.33 | 1.08 | .97 |
| | | | 300 | 30 | TO-3P | FFA60UP30DNTU-ND | 2.88 | 2.32 | 2.12 |
| | | D | 350 | 40 | TO-3P | FFA40UP35STU-ND | 1.83 | 1.48 | 1.33 |
| | 7 | A | 300 | 20 | D2-PAK | FFB20UP30DNTMCT-ND‡ | 1.29 | 1.02 | .92 |
| | | | 300 | 20 | D2-PAK | FFB20UP30DNTMTR-ND§ | 450.72/800 | | |
| D | | 200 | 20 | D2-PAK | FFB20UP20STMCT-ND‡ | 1.12 | .89 | .80 | |
| | | 200 | 20 | D2-PAK | FFB20UP20STMTR-ND§ | 390.58/800 | | | |
| 8 | E | 200 | 6 | D-PAK | FFD06UP20SCT-ND‡ | .59 | .42 | .36 | |
| | | 200 | 6 | D-PAK | FFD06UP20STR-ND§ | 415.12/2,500 | | | |
| | F | 200 | 10 | D-PAK | FFD10UP20SCT-ND‡ | .55 | .43 | .38 | |
| | | 200 | 10 | D-PAK | FFD10UP20STR-ND§ | 454.36/2,500 | | | |
| 9 | A | 200 | 20 | D-PAK | FFD20UP20SCT-ND‡ | .79 | .62 | .55 | |
| | | 200 | 20 | D-PAK | FFD20UP20STR-ND§ | 739.36/2,500 | | | |
| 2 | B | 400 | 60 | TO-247-3L | FFH60UP40S3-ND | 3.17 | 2.55 | 2.33 | |
| | | 600 | 60 | TO-247-3L | FFH60UP60S3-ND | 3.17 | 2.55 | 2.33 | |
| Hyperfast II | | | | | | | | | |
| 2 | B | 600 | 8 | TO-220F-2L | FFPF08H60STU-ND | .87 | .70 | .61 | |
| 8 | E | 600 | 4 | D-PAK | FFD04H60SCT-ND‡ | .54 | .38 | .33 | |
| | | 600 | 4 | D-PAK | FFD04H60STR-ND§ | 466.75/2,500 | | | |
| Stealth II | | | | | | | | | |
| 2 | B | 600 | 8 | TO-220F-2L | FFPF08S60STU-ND | .90 | .73 | .64 | |

‡ Cut Tape § Tape and Reel

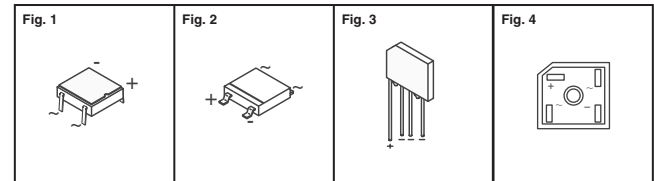
Transient Voltage Suppressors



| VRRM (V) | VBR (V) | | IT (mA) | Digi-Key Part No. | Cut Tape Pricing | | | Tape and Reel Pricing | |
|-----------------------|---------|---------|---------|-------------------|------------------|-------|-------|-----------------------|----------|
| | Minimum | Maximum | | | 1 | 25 | 100 | Qty. | Pricing |
| SA — DO-15 | | | | | | | | | |
| 5.8 | 6.45 | 7.14 | 10 | P6KE6V8AFSCT-ND | .42 | 7.34 | 25.19 | 4,000 | 118.14/M |
| 12.8 | 14.3 | 15.8 | 1 | P6KE15AFSCT-ND | .35 | 5.67 | 18.61 | 4,000 | 109.05/M |
| 12.8 | 14.3 | 15.8 | 1 | P6KE15CAFSCT-ND | .46 | 8.06 | 27.64 | 4,000 | 129.70/M |
| 40.2 | 44.7 | 49.4 | 1 | P6KE47CAFSCT-ND | .50 | 8.24 | 27.06 | 4,000 | 114.83/M |
| 171 | 190.0 | 210.0 | 1 | P6KE200AFSCT-ND | .48 | 7.83 | 25.71 | 4,000 | 109.05/M |
| SMB — DO-214AA | | | | | | | | | |
| 5 | 6.4 | 7.0 | 10 | SMBJ5V0ACT-ND | .40 | 6.49 | 21.33 | 3,000 | 90.05/M |
| 5 | 6.4 | 7.0 | 10 | SMBJ5V0CACT-ND | .52 | 8.56 | 28.10 | 3,000 | 118.96/M |
| 10 | 11.1 | 12.8 | 1 | SMBJ10CAFSCT-ND | .51 | 8.35 | 27.42 | 3,000 | 115.66/M |
| 12 | 13.3 | 14.7 | 1 | SMBJ12AFSCT-ND | .50 | 7.26 | 23.42 | 3,000 | 84.27/M |
| 12 | 13.3 | 14.7 | 1 | SMBJ12CAFSCT-ND | .45 | 7.47 | 24.52 | 3,000 | 104.09/M |
| 15 | 16.7 | 18.5 | 1 | SMBJ15AFSCT-ND | .50 | 7.26 | 23.42 | 3,000 | 84.27/M |
| 15 | 16.7 | 18.5 | 1 | SMBJ15CAFSCT-ND | .45 | 7.47 | 24.52 | 3,000 | 104.09/M |
| 24 | 26.7 | 29.5 | 1 | SMBJ24AFSCT-ND | .50 | 7.26 | 23.42 | 3,000 | 84.27/M |
| 26 | 28.9 | 31.9 | 1 | SMBJ26CAFSCT-ND | .45 | 7.47 | 24.52 | 3,000 | 104.09/M |
| 28 | 31.1 | 34.4 | 1 | SMBJ28CAFSCT-ND | .45 | 7.47 | 24.52 | 3,000 | 104.09/M |
| 30 | 33.3 | 36.8 | 1 | SMBJ30AFSCT-ND | .50 | 7.26 | 23.42 | 3,000 | 84.27/M |
| 33 | 36.7 | 40.6 | 1 | SMBJ33AFSCT-ND | .50 | 7.26 | 23.42 | 3,000 | 84.27/M |
| 33 | 36.7 | 40.6 | 1 | SMBJ33CAFSCT-ND | .45 | 7.47 | 24.52 | 3,000 | 104.09/M |
| 36 | 40.0 | 44.2 | 1 | SMBJ36AFSCT-ND | .50 | 7.26 | 23.42 | 3,000 | 84.27/M |
| 36 | 40.0 | 44.2 | 1 | SMBJ36CAFSCT-ND | .45 | 7.47 | 24.52 | 3,000 | 104.09/M |
| SMC — DO-214AB | | | | | | | | | |
| 5 | 6.4 | 7.0 | 10 | SMCJ5V0ACT-ND | .56 | 9.86 | 33.78 | 3,000 | 158.61/M |
| 12 | 13.3 | 14.7 | 1 | SMCJ12AFSCT-ND | .56 | 9.86 | 33.78 | 3,000 | 158.61/M |
| 15 | 16.7 | 18.5 | 1 | SMCJ15CAFSCT-ND | .68 | 11.85 | 40.64 | 3,000 | 190.83/M |
| 18 | 20.0 | 22.1 | 1 | SMCJ18CAFSCT-ND | .63 | 11.02 | 37.79 | 3,000 | 177.61/M |
| 26 | 28.9 | 31.9 | 1 | SMCJ26CAFSCT-ND | .68 | 11.85 | 40.64 | 3,000 | 190.83/M |
| 30 | 33.3 | 36.8 | 1 | SMCJ30CAFSCT-ND | .68 | 11.85 | 40.64 | 3,000 | 190.83/M |
| 33 | 36.7 | 40.6 | 1 | SMCJ33AFSCT-ND | .56 | 9.86 | 33.78 | 3,000 | 158.61/M |
| 33 | 36.7 | 40.6 | 1 | SMCJ33CAFSCT-ND | .68 | 11.85 | 40.64 | 3,000 | 190.83/M |
| 36 | 40.0 | 44.2 | 1 | SMCJ36AFSCT-ND | .56 | 9.86 | 33.78 | 3,000 | 158.61/M |
| 36 | 40.0 | 44.2 | 1 | SMCJ36CAFSCT-ND | .68 | 11.85 | 40.64 | 3,000 | 190.83/M |
| 48 | 53.3 | 58.9 | 1 | SMCJ48AFSCT-ND | .56 | 9.86 | 33.78 | 3,000 | 158.61/M |
| 85 | 94.4 | 104.0 | 1 | SMCJ85CAFSCT-ND | .68 | 11.85 | 40.64 | 3,000 | 190.83/M |
| 100 | 111.0 | 123.0 | 1 | SMCJ100AFSCT-ND | .56 | 9.86 | 33.78 | 3,000 | 158.61/M |
| SOT-23 | | | | | | | | | |
| 3 | 5.32 | 5.88 | 20 | MMBZ5V6BCT-ND | .50 | 7.40 | 23.87 | 3,000 | 85.92/M |
| DO-201AE | | | | | | | | | |
| 28.2 | 31.4 | 34.7 | 1 | 1V5KE33ACT-ND | .59 | 10.44 | 35.79 | 1,250 | 184.23/M |
| 40.2 | 44.7 | 49.4 | 1 | 1V5KE47CACT-ND | .55 | 10.70 | 37.74 | 1,250 | 201.57/M |

§ For Tape and Reel part number, change CT-ND to TR-ND.

Bridge Rectifiers



| Fig. | Max. Reverse Voltage (V) | Max. Average Rectified Current (A) | Pkg. | Digi-Key Part No. | Pricing | | | Tape and Reel Pricing | |
|------|--------------------------|------------------------------------|------|-------------------|--------------|-------|--------|-----------------------|----------|
| | | | | | 1 | 25 | 100 | Qty. | Pricing |
| 1 | 50 | 1.5 | DIP | DF005M-ND | .36 | 6.53 | 22.40 | — | — |
| | 100 | 1.5 | DIP | DF01M-ND | .36 | 6.53 | 22.40 | — | — |
| | 400 | 1.5 | DIP | DF04M-ND | .37 | 6.83 | 23.42 | — | — |
| | 600 | 1.5 | DIP | DF06M-ND | .37 | 6.83 | 23.42 | — | — |
| 2 | 100 | 0.5 | SOIC | MB1SCT-ND† | .43 | 7.01 | 23.01 | 3,000 | 97.48/M |
| | 100 | 1.5 | SDIP | DF01SCT-ND† | .51 | 8.35 | 27.42 | 1,500 | 126.40/M |
| | 200 | 0.5 | SOIC | MB2SCT-ND† | .43 | 7.01 | 23.01 | 3,000 | 97.48/M |
| | 200 | 1.5 | SDIP | DF02SCT-ND† | .51 | 8.44 | 27.74 | 1,500 | 128.05/M |
| | 400 | 0.5 | SOIC | MB4SCT-ND† | .47 | 7.73 | 25.39 | 3,000 | 107.40/M |
| | 400 | 1.5 | SDIP | DF04SCT-ND† | .44 | 7.60 | 26.06 | 1,500 | 134.66/M |
| | 600 | 0.5 | SOIC | MB6SCT-ND† | .47 | 7.73 | 25.39 | 3,000 | 107.40/M |
| | 800 | 0.5 | SOIC | MB8SCT-ND† | .49 | 8.04 | 26.39 | 3,000 | 111.53/M |
| | 1,000 | 1.5 | SDIP | DF10SCT-ND† | .47 | 8.27 | 28.35 | 1,500 | 146.22/M |
| | 3 | 400 | 2.0 | KBPM | 2KBP04MFS-ND | .56 | 10.40 | 35.66 | — |
| 800 | | 8.0 | KBU | KBU8KFS-ND | 1.16 | 23.31 | 81.60 | — | — |
| 800 | | 2.0 | KBPM | 3N258-ND | .51 | 9.89 | 34.44 | — | — |
| 4 | 200 | 25 | GBPC | GBPC2502-ND | 2.40 | 48.25 | 173.70 | — | — |
| | 1,000 | 35 | GBPC | GBPC3510-ND | 2.53 | 50.96 | 183.46 | — | — |

† Cut Tape § For Tape and Reel part number, change the CT-ND to TR-ND.

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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