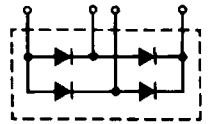



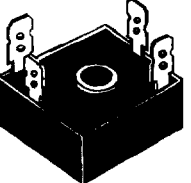
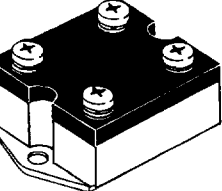
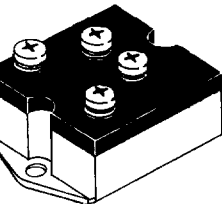
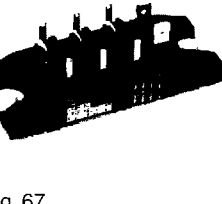
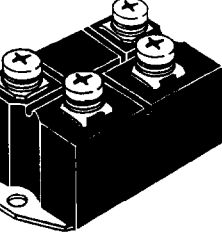
# 1~ Rectifier Bridges



## 1~ Rectifier Bridges with Avalanche Diodes, B2U

| Type                         | V <sub>RRM</sub> | V <sub>VRMS</sub> | I <sub>dAV</sub> @ T <sub>C</sub> | I <sub>FSM</sub> 45°C 10 ms | V <sub>TD</sub> | r <sub>T</sub> | T <sub>VJM</sub> | R <sub>thJC</sub> per Chip Module | R <sub>thJK</sub> per Chip Module | P <sub>RSM</sub> | Fig. No. | Package style   |
|------------------------------|------------------|-------------------|-----------------------------------|-----------------------------|-----------------|----------------|------------------|-----------------------------------|-----------------------------------|------------------|----------|---|
| ▶ New                        | V                | V                 | A °C                              | A                           | V               | mΩ             | °C               | K/W                               | K/W                               | kW               |          | See outlines on page 43, 44, 45   |
| VBO 13-12AO2<br>VBO 13-16AO2 | 1200<br>1600     | 400<br>500        | 18 85                             | 220                         | 0.85            | 17             | 150              | 5.6<br>1.4                        | 6.0<br>1.5                        | 2.5              | 40       | <br>Fig. 40<br>Weight = 15 g |
| VBO 20-12AO2<br>VBO 20-16AO2 | 1200<br>1600     | 400<br>500        | 31 85                             | 300                         | 0.85            | 14             | 150              | 3.0<br>0.75                       | 3.4<br>0.85                       | 3.4              |          |   |
| VBO 25-12AO2<br>VBO 25-16AO2 | 1200<br>1600     | 400<br>500        | 38 85                             | 370                         | 0.85            | 8              | 150              | 2.8<br>0.7                        | 3.2<br>0.8                        | 3.4              |          |   |

## 1~ Rectifier Bridges with Standard Diodes, B2U

|  |                                     |                                 |         |      |      |     |     |                     |                    |   |    |  |   |
|--|-------------------------------------|---------------------------------|---------|------|------|-----|-----|---------------------|--------------------|---|----|--|---|
| VBO 13-08NO2<br>VBO 13-12NO2<br>VBO 13-16NO2   | 300<br>1200<br>1600                 | 250<br>400<br>500               | 18 @ 85 | 220  | 0.85 | 17  | 150 | 5.6<br>—<br>1.4     | 6.0<br>—<br>1.5    | - | 40 | <br>Fig. 62<br>Weight = 22 g    |   |
| ▶ VBO 22-08NO7<br>▶ VBO 22-12NO7<br>▶ VBO 22-14NO7<br>▶ VBO 22-16NO7<br>▶ VBO 22-18NO7 | 300<br>1200<br>1400<br>1600<br>1800 | 250<br>400<br>440<br>500<br>575 | 21 63   | 400  | 0.85 | 12  | 150 | 8.2<br>—<br>2.05    | 8.6<br>—<br>2.15   | - | 62 |  |   |
| ▶ VBO 36-08NO7<br>▶ VBO 36-12NO7<br>▶ VBO 36-14NO7<br>▶ VBO 36-16NO7<br>▶ VBO 36-18NO7 | 300<br>1200<br>1400<br>1600<br>1800 | 250<br>400<br>440<br>500<br>575 | 30 62   | 550  | 0.8  | 7.4 | 150 | 7.8<br>—<br>1.95    | 8.6<br>—<br>2.15   | - | 62 |  | <br>Fig. 63<br>Weight = 135 g |
| VBO 20-08NO2<br>VBO 20-12NO2<br>VBO 20-16NO2   | 300<br>1200<br>1600                 | 250<br>400<br>500               | 31 85   | 300  | 0.85 | 14  | 150 | 3.0<br>—<br>0.75    | 3.4<br>—<br>0.85   | - | 40 | <br>Fig. 64<br>Weight = 260 g |   |
| ▶ VBO 30-08NO7<br>▶ VBO 30-12NO7<br>▶ VBO 30-14NO7<br>▶ VBO 30-16NO7<br>▶ VBO 30-18NO7 | 300<br>1200<br>1400<br>1600<br>1800 | 250<br>400<br>440<br>500<br>575 | 35 85   | 400  | 0.85 | 12  | 150 | 4.4<br>—<br>1.1     | 3.2<br>—<br>0.8    | - | 63 |  |   |
| VBO 25-08NO2<br>VBO 25-12NO2<br>VBO 25-16NO2   | 300<br>1200<br>1600                 | 250<br>400<br>500               | 38 85   | 370  | 0.85 | 8   | 150 | 2.8<br>—<br>0.7     | 3.2<br>—<br>0.8    | - | 40 |  |   |
| ▶ VBO 50-08NO7<br>▶ VBO 50-12NO7<br>▶ VBO 50-14NO7<br>▶ VBO 50-16NO7<br>▶ VBO 50-18NO7 | 300<br>1200<br>1400<br>1600<br>1800 | 250<br>400<br>440<br>500<br>575 | 39 85   | 750  | 0.85 | 8   | 150 | 2.6<br>—<br>0.65    | 2.84<br>—<br>0.71  | - | 64 | <br>Fig. 71<br>Weight = 100 g |   |
| ▶ VBO 45-08NO7<br>▶ VBO 45-12NO7<br>▶ VBO 45-14NO7<br>▶ VBO 45-16NO7<br>▶ VBO 45-18NO7 | 300<br>1200<br>1400<br>1600<br>1800 | 250<br>400<br>440<br>500<br>575 | 45 100  | 550  | 0.8  | 8   | 150 | 1.45<br>—<br>0.3625 | 1.9<br>—<br>0.475  | - | 71 |  |   |
| ▶ VBO 52-08NO7<br>▶ VBO 52-12NO7<br>▶ VBO 52-14NO7<br>▶ VBO 52-16NO7<br>▶ VBO 52-18NO7 | 300<br>1200<br>1400<br>1600<br>1800 | 250<br>400<br>440<br>500<br>575 | 50 110  | 550  | 0.8  | 8   | 150 | 1.5<br>—<br>0.375   | 1.93<br>—<br>0.483 | - | 67 |  |   |
| ▶ VBO 55-08NO7<br>▶ VBO 55-12NO7<br>▶ VBO 55-14NO7<br>▶ VBO 55-16NO7<br>▶ VBO 55-18NO7 | 300<br>1200<br>1400<br>1600<br>1800 | 250<br>400<br>440<br>500<br>575 | 55 100  | 750  | 0.8  | 6   | 150 | 1.3<br>—<br>0.325   | 1.6<br>—<br>0.4    | - | 71 | <br>Fig. 67<br>Weight = 160 g |   |
| ▶ VBO 65-08NO7<br>▶ VBO 65-12NO7<br>▶ VBO 65-14NO7<br>▶ VBO 65-16NO7<br>▶ VBO 65-18NO7 | 300<br>1200<br>1400<br>1600<br>1800 | 250<br>400<br>440<br>500<br>575 | 65 100  | 1000 | 0.8  | 5   | 150 | 1.12<br>—<br>0.28   | 1.5<br>—<br>0.375  | - | 71 |  |   |
| ▶ VBO 72-08NO7<br>▶ VBO 72-12NO7<br>▶ VBO 72-14NO7<br>▶ VBO 72-16NO7<br>▶ VBO 72-18NO7 | 300<br>1200<br>1400<br>1600<br>1800 | 250<br>400<br>440<br>500<br>575 | 72 110  | 750  | 0.8  | 5   | 150 | 1.1<br>—<br>0.275   | 1.64<br>—<br>0.41  | - | 67 |  |   |