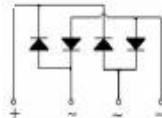


BRIDGE RECTIFIERS

1. 0.5A B1S-B10SS Series General Purpose Bridge Rectifiers

| Device | Maximum Peak Reverse Voltage | Maximum Average Forward Output Current | Maximum Forward Peak Surge Current @ 8.3ms Superimposed | Maximum DC Forward Voltage drop per element at $I_F=0.5ADC$ | Maximum DC Reverse Current at rated DC Blocking Voltage per element | | Operating Junction Temperature |
|--------|------------------------------|--|---|---|---|---------------------------|--------------------------------|
| | PRV | I_O | I_{FM} (Surge) | V_F | I_R | | |
| | (V) | (A) | (A) | (V) | 25°C T_A (μADC) | 125°C T_A (μADC) | |
| B1S | 100 | 0.5 | 30 | 1.0 | 5 | 250 | 150 |
| B1S | 200 | | | | | | |
| B4S | 400 | | | | | | |
| B6S | 600 | | | | | | |
| B8S | 800 | | | | | | |
| B10S | 1000 | | | | | | |
| B10SS | 1000 | 0.8 | 40 | 1.0 | 5 | 250 | 150 |

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.



1.1. 0.5A TB1S-TB10SS Series General Purpose Bridge Rectifiers

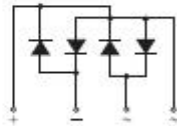
| Device | Maximum Peak Reverse Voltage | Maximum Average Forward Output Current | Maximum Forward Peak Surge Current @ 8.3ms Superimposed | Maximum DC Forward Voltage drop per element at $I_F=0.5ADC$ | Maximum DC Reverse Current at rated DC Blocking Voltage per element | | Operating Junction Temperature |
|--------|------------------------------|--|---|---|---|---------------------------|--------------------------------|
| | PRV | I_O | I_{FM} (Surge) | V_F | I_R | | |
| | (V) | (A) | (A) | (V) | 25°C T_A (μADC) | 125°C T_A (μADC) | |

| | PRV | I_o | I_{FM} (Surge) | V_F | I_R | | T_J (°C) |
|--------|------|-------|------------------|-------|-------------------|--------------------|------------|
| | (V) | (A) | (A) | (V) | 25°C T_A (μADC) | 125°C T_A (μADC) | |
| TB1S | 100 | 0.5 | 30 | 1.0 | 5 | 250 | 150 |
| TB2S | 200 | | | | | | |
| TB4S | 400 | | | | | | |
| TB6S | 600 | | | | | | |
| TB8S | 800 | | | | | | |
| TB10S | 1000 | | | | | | |
| TB10SS | 1000 | 0.8 | 40 | 1.0 | 5 | 250 | 150 |

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.



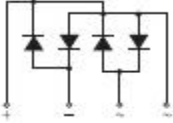


TBS



2. 1.0A DB/DBS Series Dual-in-line Package General Purpose Bridge Rectifiers

| Device | Maximum Peak Reverse Voltage | Maximum Average Forward Output Current | Maximum Forward Peak Surge Current @8.3ms Superimposed | Maximum DC Forward Voltage drop per element at $I_F=1.0ADC$ | Maximum DC Reverse Current at rated DC Blocking Voltage per element | | Operating Junction Temperature |
|----------------------------------|------------------------------|--|--|---|---|--------------------|--------------------------------|
| | PRV | I_o | I_{FM} (Surge) | V_F | I_R | | T_J |
| | (V) | (A) | (A) | (V) | 25°C T_A (μADC) | 125°C T_A (μADC) | (°C) |
| DIP BRIDGE RECTIFIERS(DB) | | | | | | | |

| | | | | | | | |
|--|------|-----|----|-----|---|-----|-----|
| DB102 | 100 | 1.0 | 50 | 1.1 | 5 | 500 | 150 |
| DB103 | 200 | | | | | | |
| DB104 | 400 | | | | | | |
| DB105 | 600 | | | | | | |
| DB106 | 800 | | | | | | |
| DB107 | 1000 | | | | | | |
| SMD BRIDGE (DBS) | | | | | | | |
| DB102S | 100 | 1.0 | 50 | 1.1 | 5 | 500 | 150 |
| DB103S | 200 | | | | | | |
| DB104S | 400 | | | | | | |
| DB105S | 600 | | | | | | |
| DB106S | 800 | | | | | | |
| DB107S | 1000 | | | | | | |
| <p>MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS</p> <p>Ratings at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>DB</p> </div> <div style="text-align: center;">  <p>DBS</p> </div> <div style="text-align: center;">  </div> </div> | | | | | | | |

3. 1.5-2A DB/DBS Series Dual-in-line Package General Purpose Bridge Rectifiers

| Device | Maximum Peak Reverse Voltage | Maximum Average Forward Output | Maximum Forward Peak Surge Current @8.3ms Superimposed | Maximum DC Forward Voltage drop per element at $I_F=1.0ADC$ | Maximum DC Reverse Current at rated DC Blocking Voltage per element | | Operating Junction Temperature |
|----------------------------------|------------------------------|--------------------------------|--|---|---|----------------------------|--------------------------------|
| | PRV | I_o | I_{EM} (Surge) | V_F | I_R | | |
| | (V) | (A) | (A) | (V) | 25°C T_A (μADC) | 125° C T_A (μADC) | |
| DIP BRIDGE RECTIFIERS(DB) | | | | | | | |

| | | | | | | | |
|-------|------|-----|----|-----|---|-----|-----|
| DB152 | 100 | 1.5 | 60 | 1.1 | 5 | 500 | 150 |
| DB153 | 200 | | | | | | |
| DB154 | 400 | | | | | | |
| DB155 | 600 | | | | | | |
| DB156 | 800 | | | | | | |
| DB157 | 1000 | | | | | | |

SMD BRIDGE (dbs)

| | | | | | | | |
|--------|------|-----|----|-----|---|-----|-----|
| DB152S | 100 | 1.5 | 60 | 1.1 | 5 | 500 | 150 |
| DB153S | 200 | | | | | | |
| DB154S | 400 | | | | | | |
| DB155S | 600 | | | | | | |
| DB156S | 800 | | | | | | |
| DB157S | 1000 | | | | | | |

DIP BRIDGE (DB)

| | | | | | | | |
|-------|------|-----|----|-----|---|-----|-----|
| DB202 | 100 | 2.0 | 75 | 1.1 | 5 | 500 | 150 |
| DB203 | 200 | | | | | | |
| DB204 | 400 | | | | | | |
| DB205 | 600 | | | | | | |
| DB206 | 800 | | | | | | |
| DB207 | 1000 | | | | | | |

SMD BRIDGE (DBS)

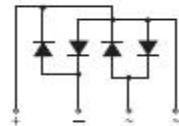
| | | | | | | | |
|--------|------|-----|----|-----|---|-----|-----|
| DB202S | 100 | 2.0 | 75 | 1.1 | 5 | 500 | 150 |
| DB203S | 200 | | | | | | |
| DB204S | 400 | | | | | | |
| DB205S | 600 | | | | | | |
| DB206S | 800 | | | | | | |
| DB207S | 1000 | | | | | | |



DB


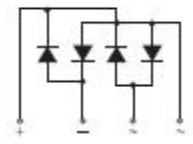


DBS



4. 2.0-4.0A GBL Series SIP Bridge Rectifiers

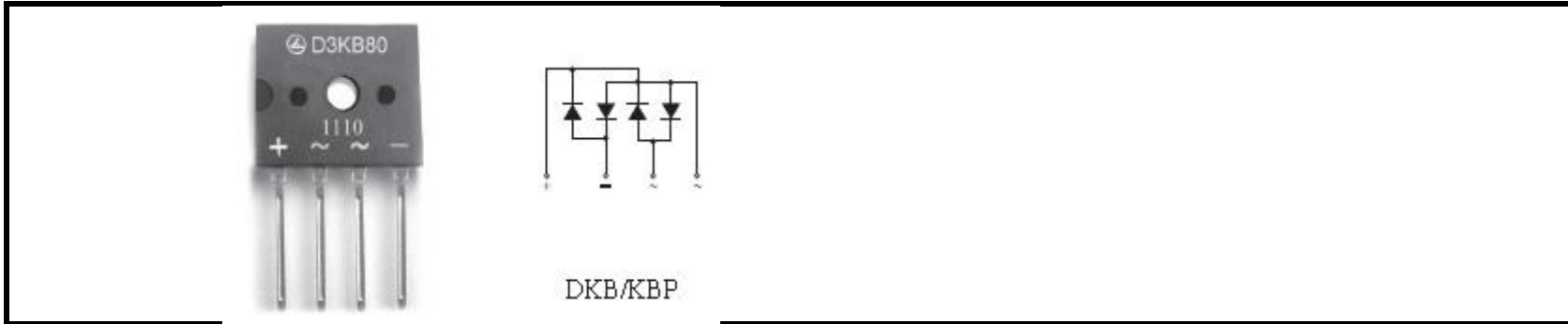
| Device | Maximum Peak Reverse Voltage | Maximum Average Forward Output Current | Maximum Forward Peak Surge Current @ 8.3ms Superimposed | Maximum DC Forward Voltage drop per element at $I_F=2.0\text{ADC}$ | Maximum DC Reverse Current at rated DC Blocking Voltage per element | | Operating Junction Temperature |
|--------|------------------------------|--|---|--|---|---------------------------------|--------------------------------|
| | PRV | I_o | I_{FM} (Surge) | V_F | I_R | | T_J |
| | (V) | (A) | (A) | (V) | 25°C T_A (μADC) | 125°C T_A (μADC) | (°C) |
| GBL201 | 100 | 2.0 | 80 | 1.1 | 5 | 500 | 150 |
| GBL202 | 200 | | | | | | |
| GBL204 | 400 | | | | | | |
| GBL206 | 600 | | | | | | |
| GBL208 | 800 | | | | | | |
| GBL210 | 1000 | | | | | | |
| GBL401 | 100 | 4.0 | 150 | 1.1 | 5 | 500 | 150 |
| GBL402 | 200 | | | | | | |
| GBL404 | 400 | | | | | | |
| GBL406 | 600 | | | | | | |
| GBL408 | 800 | | | | | | |
| GBL410 | 1000 | | | | | | |

GBL

5. 2.0-4.0A DKB/KBP Series SIP Bridge Rectifiers

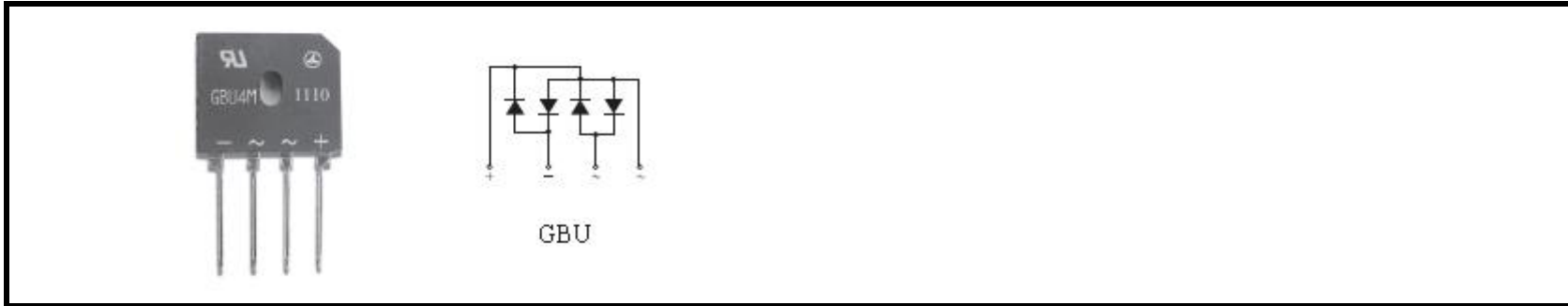
| Device | Maximum Peak Reverse Voltage | Maximum Average Forward Output Current | Maximum Forward Peak Surge Current @ 8.3ms Superimposed | Maximum DC Forward Voltage drop per element at $I_F=2.0\text{ADC}$ | Maximum DC Reverse Current at rated DC Blocking Voltage per element | | Operating Junction Temperature |
|---|---|--|---|--|---|---------------------------------|--------------------------------|
| | PRV | I_o | I_{FM} (Surge) | V_F | I_R | | T_J |
| | (V) | (A) | (A) | (V) | 25°C T_A (μADC) | 125°C T_A (μADC) | (°C) |
| D2KB10 D2KB20 D2KB40 D2KB60 D2KB80 D2KB100 | 100 200 400 600 800 1000 | 2.0 | 75 | 1.0 | 5 | 500 | 150 |
| D3KB10 D3KB20 D3KB40 D3KB60 D3KB80 D3KB100 | 100 200 400 600 800 1000 | 3.0 | 90 | 1.0 | 5 | 500 | 150 |
| D4KB10 D4KB20 D4KB40 D4KB60 D4KB80 D4KB100 | 100 200 400 600 800 1000 | 4.0 | 135 | 1.0 | 5 | 500 | 150 |



6. 4.0-25A GBU Series Single-in-line Package Bridge Rectifiers


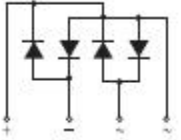
| Device | Maximum Peak Reverse Voltage | Maximum Average Forward Output Current | Maximum Forward Peak Surge Current @ 8.3ms Superimposed | Maximum DC Forward Voltage drop per element | Maximum DC Reverse Current at rated DC Blocking Voltage per element | | Operating Junction Temperature |
|--|---|--|---|---|---|-----------------------------|--------------------------------|
| | PRV | IO | I _{FM} (Surge) | V _F | I _R | | T _J |
| | (V) | (A) | (A) | (V) | 25°C T _A (μADC) | 125°C T _A (μADC) | (°C) |
| GBU4B GBU4D GBU4G GBU4J GBU4K GBU4M | 100 200 400 600 800 1000 | 4 | 150 | at I _F = 2.0ADC 1.1 | 5 | 500 | 150 |
| GBU6B GBU6D GBU6G GBU6J GBU6K GBU6M | 100 200 400 600 800 1000 | 6 | 175 | at I _F = 3.0ADC 1.1 | 5 | 500 | 150 |

| | | | | | | | |
|--------|------|----|-----|----------------------------------|---|-----|-----|
| GBU8B | 100 | 8 | 175 | at $I_F = 4.0\text{ADC}$ 1.1 | 5 | 500 | 150 |
| GBU8D | 200 | | | | | | |
| GBU8G | 400 | | | | | | |
| GBU8J | 600 | | | | | | |
| GBU8K | 800 | | | | | | |
| GBU8M | 1000 | | | | | | |
| GBU10B | 100 | 10 | 200 | at $I_F = 5.0\text{ADC}$ 1.1 | 5 | 500 | 150 |
| GBU10D | 200 | | | | | | |
| GBU10G | 400 | | | | | | |
| GBU10J | 600 | | | | | | |
| GBU10K | 800 | | | | | | |
| GBU10M | 1000 | | | | | | |
| GBU15B | 100 | 15 | 250 | at $I_F = 7.5\text{ADC}$ 1.1 | 5 | 500 | 150 |
| GBU15D | 200 | | | | | | |
| GBU15G | 400 | | | | | | |
| GBU15J | 600 | | | | | | |
| GBU15K | 800 | | | | | | |
| GBU15M | 1000 | | | | | | |
| GBU20B | 100 | 20 | 300 | at $I_F = 10.0\text{ADC}$ 1.1 | 5 | 500 | 150 |
| GBU20D | 200 | | | | | | |
| GBU20G | 400 | | | | | | |
| GBU20J | 600 | | | | | | |
| GBU20K | 800 | | | | | | |
| GBU20M | 1000 | | | | | | |
| GBU25B | 100 | 25 | 350 | at $I_F = 12.5\text{ADC}$ 1.1 | 5 | 500 | 150 |
| GBU25D | 200 | | | | | | |
| GBU25G | 400 | | | | | | |
| GBU25J | 600 | | | | | | |
| GBU25K | 800 | | | | | | |
| GBU25M | 1000 | | | | | | |



7. 4.0-10A D3/D4/KBJ Series Single-in-line Package Bridge Rectifiers

| Device | Maximum Peak Reverse Voltage | Maximum Average Forward Output | Maximum Forward Peak Surge Current @ 8.3ms Superimposed | Maximum DC Forward Voltage drop per element | Maximum DC Reverse Current at rated DC Blocking Voltage per element | | Operating Junction Temperature |
|---|---|--------------------------------|---|---|---|--------------------------|--------------------------------|
| | PRV | IO | I_{FM} (Surge) | V_F | I_R | | T_J |
| | (V) | (A) | (A) | (V) | 25°C T_A (μ ADC) | 125°C T_A (μ ADC) | (°C) |
| D3SB10 D3SB20 D3SB40 D3SB60 D3SB80 D3SB100 | 100 200 400 600 800 1000 | 4.0 | 150 | at $I_F = 2.0$ ADC 1.1 | 5 | 500 | 150 |
| D4SB10 D4SB20 D4SB40 D4SB60 D4SB80 D4SB100 | 100 200 400 600 800 1000 | 6.0 | 175 | at $I_F = 3.0$ ADC 1.1 | 5 | 500 | 150 |

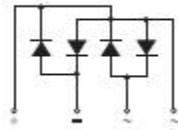
| | | | | | | | |
|---|---|-----|-----|---------------------------------|---|-----|-----|
| KBJ8B KBJ8D KBJ8G KBJ8J KBJ8K KBJ8M | 100 200 400 600 800 1000 | 8.0 | 175 | at $I_F = 4.0\text{ADC}$ 1.1 | 5 | 500 | 150 |
| KBJ10B KBJ10D KBJ10G KBJ10J KBJ10K KBJ10M | 100 200 400 600 800 1000 | 10 | 200 | at $I_F = 5.0\text{ADC}$ 1.1 | 5 | 500 | 150 |
| <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p style="text-align: center;">D3</p> | | | | | | | |

8. 6.0-35A D5-35SB Series Single-in-line Package Bridge Rectifiers

| Device | Maximum Peak Reverse Voltage | Maximum Average Forward Output Current | Maximum Forward Peak Surge Current @ 8.3ms Superimposed | Maximum DC Forward Voltage drop per element | Maximum DC Reverse Current at rated DC Blocking Voltage per element | | Operating Junction Temperature |
|--------|------------------------------|--|---|---|---|-------------------|--------------------------------|
| | PRV | IO | I_{FM} (Surge) | V_F | I_R | | T_J |
| | (V) | (A) | (A) | (V) | 25°C T_A (μADC) | 125°C T_A (ADC) | (°C) |

| | | | | | | | |
|----------|------|-----|-----|----------------------------------|---|-----|-----|
| D5SB10 | 100 | 6.0 | 175 | at $I_F = 3.0\text{ADC}$ 1.1 | 5 | 500 | 150 |
| D5SB20 | 200 | | | | | | |
| D5SB40 | 400 | | | | | | |
| D5SB60 | 600 | | | | | | |
| D5SB80 | 800 | | | | | | |
| D5SB100 | 1000 | | | | | | |
| D8SB10 | 100 | 8.0 | 175 | at $I_F = 4.0\text{ADC}$ 1.1 | 5 | 500 | 150 |
| D8SB20 | 200 | | | | | | |
| D8SB40 | 400 | | | | | | |
| D8SB60 | 600 | | | | | | |
| D8SB80 | 800 | | | | | | |
| D8SB100 | 1000 | | | | | | |
| D10SB10 | 100 | 10 | 200 | at $I_F = 5.0\text{ADC}$ 1.1 | 5 | 500 | 150 |
| D10SB20 | 200 | | | | | | |
| D10SB40 | 400 | | | | | | |
| D10SB60 | 600 | | | | | | |
| D10SB80 | 800 | | | | | | |
| D10SB100 | 1000 | | | | | | |
| D15SB10 | 100 | 15 | 250 | at $I_F = 7.5\text{ADC}$ 1.1 | 5 | 500 | 150 |
| D15SB20 | 200 | | | | | | |
| D15SB40 | 400 | | | | | | |
| D15SB60 | 600 | | | | | | |
| D15SB80 | 800 | | | | | | |
| D15SB100 | 1000 | | | | | | |
| D20SB10 | 100 | 20 | 300 | at $I_F = 10\text{ADC}$ 1.1 | 5 | 500 | 150 |
| D20SB20 | 200 | | | | | | |
| D20SB40 | 400 | | | | | | |
| D20SB60 | 600 | | | | | | |
| D20SB80 | 800 | | | | | | |
| D20SB100 | 1000 | | | | | | |
| D25SB10 | 100 | 25 | 350 | at $I_F = 12.5\text{ADC}$ 1.1 | 5 | 500 | 150 |
| D25SB20 | 200 | | | | | | |
| D25SB40 | 400 | | | | | | |
| D25SB60 | 600 | | | | | | |
| D25SB80 | 800 | | | | | | |
| D25SB100 | 1000 | | | | | | |

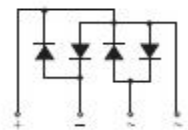
| | | | | | | | |
|----------|------|----|-----|----------------------------------|---|-----|-----|
| D35SB10 | 100 | 35 | 400 | at $I_F = 17.5\text{ADC}$ 1.1 | 5 | 500 | 150 |
| D35SB20 | 200 | | | | | | |
| D35SB40 | 400 | | | | | | |
| D35SB60 | 600 | | | | | | |
| D35SB80 | 800 | | | | | | |
| D35SB100 | 1000 | | | | | | |



D5

9. 15A S15 Series Square Bridge Rectifiers

| Device | Maximum Peak Reverse Voltage | Maximum Average Forward Output Current | Maximum Forward Peak Surge Current @ 8.3ms Superimposed | Maximum DC Forward Voltage drop per element | Maximum DC Reverse Current at rated DC Blocking Voltage per element | | Operating Junction Temperature |
|----------|------------------------------|--|---|---|---|---------------------------------|--------------------------------|
| | PRV | IO | I_{FM} (Surge) | V_F | I_R | | T_J |
| | (V) | (A) | (A) | (V) | 25°C T_A (μADC) | 125°C T_A (μADC) | (°C) |
| S15VB10 | 100 | 15 | 250 | at $I_F = 7.5\text{ADC}$ 1.1 | 5 | 500 | 125 |
| S15VB20 | 200 | | | | | | |
| S15VB40 | 400 | | | | | | |
| S15VB60 | 600 | | | | | | |
| S15VB80 | 800 | | | | | | |
| S15VB100 | 1000 | | | | | | |


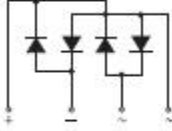


S15

10. 25-35A S25~MP50 series Square Bridge Rectifiers

| Device | Maximum Peak Reverse Voltage | Maximum Average Forward Output Current | Maximum Forward Peak Surge Current @ 8.3ms Superimposed | Maximum DC Forward Voltage drop per element | Maximum DC Reverse Current at rated DC Blocking Voltage per element | | Operating Junction Temperature |
|---|---|--|---|---|---|-----------------------------|--------------------------------|
| | PRV | IO | I _{FM} (Surge) | V _F | I _R | | T _J |
| | (V) | (A) | (A) | (V) | 25°C T _A (μADC) | 125°C T _A (μADC) | (°C) |
| S25VB10 S25VB20 S25VB40 S25VB60 S25VB80 S25VB100 | 100 200 400 600 800 1000 | 25 | 350 | at I _F = 12.5ADC 1.1 | 5 | 500 | 125 |
| MP351 MP352 MP354 MP356 MP358 MP3510 | 100 200 400 600 800 1000 | 35 | 400 | at I _F = 17.5ADC 1.1 | 5 | 500 | 125 |

| | | | | | | | |
|--------|------|----|-----|----------------------------------|---|-----|-----|
| MP501 | 100 | 50 | 400 | at $I_F = 25.0\text{ADC}$ 1.1 | 5 | 500 | 125 |
| MP502 | 200 | | | | | | |
| MP504 | 400 | | | | | | |
| MP506 | 600 | | | | | | |
| MP508 | 800 | | | | | | |
| MP5010 | 1000 | | | | | | |

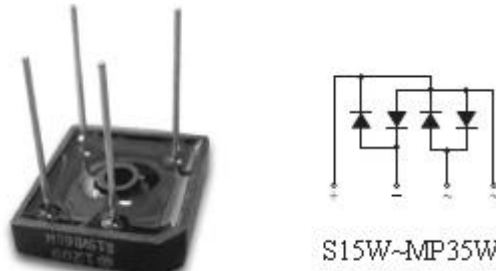



S25 ~ MP50

11. 15-35A S15W~MP35W series Square Bridge Rectifiers

| Device | Maximum Peak Reverse Voltage | Maximum Average Forward Output Current | Maximum Forward Peak Surge Current @ 8.3ms Superimposed | Maximum DC Forward Voltage drop per leg | Maximum DC Reverse Current at rated DC Blocking Voltage per leg | | Operating Junction Temperature |
|---|---|--|---|---|---|---------------------------------|--------------------------------|
| | PRV | I_o | I_{FM} (Surge) | V_F | I_R | | T_J |
| | (V) | (A) | (A) | (V) | 25°C T_A (μADC) | 125°C T_A (μADC) | (°C) |
| S15VB10W S15VB20W S15VB40W S15VB60W S15VB80W S15VB100W | 100 200 400 600 800 1000 | 15 | 250 | at $I_F = 7.5\text{ADC}$ 1.1 | 5 | 500 | 150 |

| | | | | | | | |
|---|---|----|-----|----------------------------------|---|-----|-----|
| S25VB10W S25VB20W S25VB40W S25VB60W S25VB80W S25VB100W | 100 200 400 600 800 1000 | 25 | 350 | at $I_F = 12.5\text{ADC}$ 1.1 | 5 | 500 | 150 |
| MP351W MP352W MP354W MP356W MP358W MP3510W | 100 200 400 600 800 1000 | 35 | 400 | at $I_F = 17.5\text{ADC}$ 1.1 | 5 | 500 | 150 |

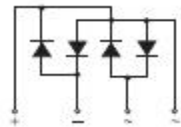


S15W~MP35W

12. 15-50A S15M~MP50M series Square Bridge Rectifiers

| Device | Maximum Peak Reverse Voltage | Maximum Average Forward Output Current | Maximum Forward Peak Surge Current @ 8.3ms Superimposed | Maximum DC Forward Voltage drop per leg | Maximum DC Reverse Current at rated DC Blocking Voltage per leg | | Operating Junction Temperature |
|--------|------------------------------|--|---|---|---|---------------------------------|--------------------------------|
| | PRV | I_o | I_{FM} (Surge) | V_F | I_R | | T_J |
| | (V) | (A) | (A) | (V) | 25°C T_A (μADC) | 125°C T_A (μADC) | (°C) |

| | | | | | | | |
|-----------|------|----|-----|----------------------------------|---|-----|-----|
| S15VB10M | 100 | 15 | 250 | at $I_f = 7.5\text{ADC}$ 1.1 | 5 | 500 | 150 |
| S15VB20M | 200 | | | | | | |
| S15VB40M | 400 | | | | | | |
| S15VB60M | 600 | | | | | | |
| S15VB80M | 800 | | | | | | |
| S15VB100M | 1000 | | | | | | |
| S25VB10M | 100 | 25 | 350 | at $I_f = 12.5\text{ADC}$ 1.1 | 5 | 500 | 150 |
| S25VB20M | 200 | | | | | | |
| S25VB40M | 400 | | | | | | |
| S25VB60M | 600 | | | | | | |
| S25VB80M | 800 | | | | | | |
| S25VB100M | 1000 | | | | | | |
| MP351M | 100 | 35 | 400 | at $I_f = 17.5\text{ADC}$ 1.1 | 5 | 500 | 150 |
| MP352M | 200 | | | | | | |
| MP354M | 400 | | | | | | |
| MP356M | 600 | | | | | | |
| MP358M | 800 | | | | | | |
| MP3510M | 1000 | | | | | | |
| MP501M | 100 | 50 | 450 | at $I_f = 25.0\text{ADC}$ 1.1 | 5 | 500 | 150 |
| MP502M | 200 | | | | | | |
| MP504M | 400 | | | | | | |
| MP506M | 600 | | | | | | |
| MP508M | 800 | | | | | | |
| MP5010M | 1000 | | | | | | |



S15M-MP50M

13. 50-200A 3QL series Three-Phase Bridge Rectifiers

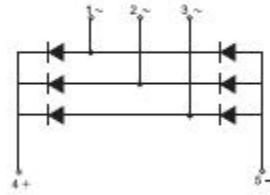
| Device | Maximum Peak Reverse Voltage | Maximum Average Forward Output Current | Maximum Forward Peak Surge Current @ 8.3ms Superimposed | Maximum DC Forward Voltage drop per leg | Maximum DC Reverse Current at rated DC Blocking Voltage per leg | | Operating Junction Temperature |
|--|------------------------------|--|---|---|---|-----------------------------|--------------------------------|
| | PRV | I _o | I _{FM} (Surge) | V _F | I _R | | T _J |
| | (V) | (A) | (A) | (V) | 25°C T _A (μADC) | 125°C T _A (mADC) | (°C) |
| 3QL50AK 3QL50AM 3QL50AO 3QL50AS | 800 1000 1200 1600 | 50 | 450 | at I _F = 25.0ADC 1.2 | 10 | 6 | 150 |
| 3QL60AK 3QL60AM 3QL60AO 3QL60AS | 800 1000 1200 1600 | 60 | 500 | at I _F = 30.0ADC 1.2 | 10 | 6 | 150 |
| 3QL75AK 3QL75AM 3QL75AO 3QL75AS | 800 1000 1200 1600 | 75 | 910 | at I _F = 37.5ADC 1.2 | 10 | 10 | 150 |
| 3QL100AK 3QL100AM 3QL100AO 3QL100AS | 800 1000 1200 1600 | 100 | 1000 | at I _F = 50.0ADC 1.2 | 10 | 15 | 150 |
| 3QL150AK 3QL150AM 3QL150AO 3QL150AS | 800 1000 1200 1600 | 150 | 1500 | at I _F = 75.0ADC 1.2 | 10 | 15 | 150 |
| 3QL200AK 3QL200AM 3QL200AO 3QL200AS | 800 1000 1200 1600 | 200 | 2000 | at I _F = 100.0ADC 1.2 | 10 | 15 | 150 |



3QL-25

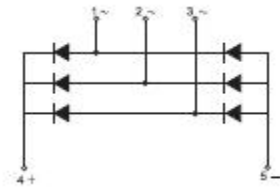


3QL-36



14. 30A DF series Three-Phase Bridge Rectifiers

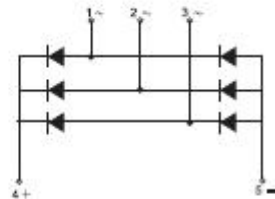
| Device | Maximum Peak Reverse Voltage | Maximum Average Forward Output Current | Maximum Forward Peak Surge Current @ 8.3ms Superimposed | Maximum DC Forward Voltage drop per leg | Maximum DC Reverse Current at rated DC Blocking Voltage per leg | | Operating Junction Temperature |
|-----------|------------------------------|--|---|---|---|--------------------|--------------------------------|
| | PRV | I_o | I_{FM} (Surge) | V_F | I_R | | |
| | (V) | (A) | (A) | (V) | 25°C T_A (μ ADC) | 125°C T_A (mADC) | |
| DF30DB40 | 400 | 30 | 365 | 1.1 | 10 | 5 | 150 |
| DF30DB80 | 800 | | | | | | |
| DF30DB120 | 1200 | | | | | | |
| DF30DB160 | 1600 | | | | | | |



DF

15. 25-50A PSD series Three-Phase Bridge Rectifiers

| Device | Maximum Peak Reverse Voltage | Maximum Average Forward Output Current | Maximum Forward Peak Surge Current @ 8.3ms Superimposed | Maximum DC Forward Voltage drop per leg | Maximum DC Reverse Current at rated DC Blocking Voltage per leg | | Operating Junction Temperature |
|---------|------------------------------|--|---|---|---|--------------------|--------------------------------|
| | PRV | I_o | I_{FM} (Surge) | V_F | I_R | | T_J |
| | (V) | (A) | (A) | (V) | 25°C T_A (μ ADC) | 125°C T_A (mADC) | (°C) |
| PSD2504 | 400 | 25 | 400 | 1.1 | 10 | 8.0 | 150 |
| PSD2508 | 800 | | | | | | |
| PSD2512 | 1200 | | | | | | |
| PSD2516 | 1600 | | | | | | |
| PSD3504 | 400 | 35 | 450 | 1.1 | 10 | 8.0 | 150 |
| PSD3508 | 800 | | | | | | |
| PSD3512 | 1200 | | | | | | |
| PSD3516 | 1600 | | | | | | |
| PSD5004 | 400 | 50 | 500 | 1.1 | 10 | 8.0 | 150 |
| PSD5008 | 800 | | | | | | |
| PSD5012 | 1200 | | | | | | |
| PSD5016 | 1600 | | | | | | |



PSD

