



SENSITRON SEMICONDUCTOR

**AUTOMOTIVE RECTIFIERS**

OPERATING AND STORAGE TEMPERATURE -65°C TO +175°C

| TYPE | Maximum Peak Reverse Voltage | Maximum Average Rectified Current @Half-Wave Resistive Load 60Hz |    | Maximum Forward Peak Surge Current @8.3ms Superimposed | Maximum Reverse Current @PRV @25°C T <sub>A</sub> | Maximum Forward Voltage @25°C T <sub>A</sub> |                 | Maximum Reverse Recovery Time |
|------|------------------------------|------------------------------------------------------------------|----|--------------------------------------------------------|---------------------------------------------------|----------------------------------------------|-----------------|-------------------------------|
|      | PRV                          | I <sub>O</sub> @ T <sub>A</sub>                                  |    | I <sub>FM</sub> (Surge)                                | I <sub>R</sub>                                    | I <sub>FM</sub>                              | V <sub>FM</sub> | T <sub>rr</sub>               |
|      | V <sub>PK</sub>              | A <sub>AV</sub>                                                  | °C | A <sub>PK</sub>                                        | μAdc                                              | V <sub>PK</sub>                              | V <sub>PK</sub> | ns                            |

**20.0 AMPERE / 9.5MM DISH**

|       |     |      |     |     |     |    |     |    |
|-------|-----|------|-----|-----|-----|----|-----|----|
| DD200 | 50  | 20.0 | 150 | 400 | 100 | 20 | 1.1 | -- |
| DD201 | 100 | 20.0 | 150 | 400 | 100 | 20 | 1.1 | -- |
| DD202 | 200 | 20.0 | 150 | 400 | 100 | 20 | 1.1 | -- |
| DD203 | 300 | 20.0 | 150 | 400 | 100 | 20 | 1.1 | -- |
| DD204 | 400 | 20.0 | 150 | 400 | 100 | 20 | 1.1 | -- |
| DD205 | 500 | 20.0 | 150 | 400 | 100 | 20 | 1.1 | -- |
| DD206 | 600 | 20.0 | 150 | 400 | 100 | 20 | 1.1 | -- |

**20.0 AMPERE / 8.4MM DISH**

|        |     |      |     |     |     |    |     |    |
|--------|-----|------|-----|-----|-----|----|-----|----|
| DD200S | 50  | 20.0 | 150 | 400 | 100 | 20 | 1.1 | -- |
| DD201S | 100 | 20.0 | 150 | 400 | 100 | 20 | 1.1 | -- |
| DD202S | 200 | 20.0 | 150 | 400 | 100 | 20 | 1.1 | -- |
| DD203S | 300 | 20.0 | 150 | 400 | 100 | 20 | 1.1 | -- |
| DD204S | 400 | 20.0 | 150 | 400 | 100 | 20 | 1.1 | -- |
| DD205S | 500 | 20.0 | 150 | 400 | 100 | 20 | 1.1 | -- |
| DD206S | 600 | 20.0 | 150 | 400 | 100 | 20 | 1.1 | -- |

**25.0 AMPERE / AR**

|       |      |      |     |     |     |    |     |     |
|-------|------|------|-----|-----|-----|----|-----|-----|
| AR25A | 50   | 25.0 | 150 | 400 | 5.0 | 25 | 1.0 | 3.0 |
| AR25B | 100  | 25.0 | 150 | 400 | 5.0 | 25 | 1.0 | 3.0 |
| AR25D | 200  | 25.0 | 150 | 400 | 5.0 | 25 | 1.0 | 3.0 |
| AR25G | 400  | 25.0 | 150 | 400 | 5.0 | 25 | 1.0 | 3.0 |
| AR25J | 600  | 25.0 | 150 | 400 | 5.0 | 25 | 1.0 | 3.0 |
| AR25K | 800  | 25.0 | 150 | 400 | 5.0 | 25 | 1.0 | 3.0 |
| AR25M | 1000 | 25.0 | 150 | 400 | 5.0 | 25 | 1.0 | 3.0 |

**NOTE: Glass passivated forms are available upon request****25.0 AMPERE / ARS**

|        |      |      |     |     |     |    |     |     |
|--------|------|------|-----|-----|-----|----|-----|-----|
| ARS25A | 50   | 25.0 | 150 | 400 | 5.0 | 25 | 1.0 | 3.0 |
| ARS25B | 100  | 25.0 | 150 | 400 | 5.0 | 25 | 1.0 | 3.0 |
| ARS25D | 200  | 25.0 | 150 | 400 | 5.0 | 25 | 1.0 | 3.0 |
| ARS25G | 400  | 25.0 | 150 | 400 | 5.0 | 25 | 1.0 | 3.0 |
| ARS25J | 600  | 25.0 | 150 | 400 | 5.0 | 25 | 1.0 | 3.0 |
| ARS25K | 800  | 25.0 | 150 | 400 | 5.0 | 25 | 1.0 | 3.0 |
| ARS25M | 1000 | 25.0 | 150 | 400 | 5.0 | 25 | 1.0 | 3.0 |

**NOTE: Glass passivated forms are available upon request****25.0 AMPERE / 13MM BOSCH**

|        |     |      |     |     |    |    |      |    |
|--------|-----|------|-----|-----|----|----|------|----|
| BD2500 | 50  | 25.0 | 150 | 400 | 10 | 50 | 1.18 | -- |
| BD2501 | 100 | 25.0 | 150 | 400 | 10 | 50 | 1.18 | -- |
| BD2502 | 200 | 25.0 | 150 | 400 | 10 | 50 | 1.18 | -- |
| BD2503 | 300 | 25.0 | 150 | 400 | 10 | 50 | 1.18 | -- |
| BD2504 | 400 | 25.0 | 150 | 400 | 10 | 50 | 1.18 | -- |
| BD2505 | 500 | 25.0 | 150 | 400 | 10 | 50 | 1.18 | -- |
| BD2506 | 600 | 25.0 | 150 | 400 | 10 | 50 | 1.18 | -- |

**NOTE: Glass passivated forms are available upon request**



SENSITRON SEMICONDUCTOR

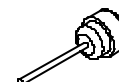
**AUTOMOTIVE RECTIFIERS**

OPERATING AND STORAGE TEMPERATURE -65°C TO +175°C

| TYPE | Maximum Peak Reverse Voltage | Maximum Average Rectified Current @Half-Wave Resistive Load 60Hz |    | Maximum Forward Peak Surge Current @8.3ms Superimposed | Maximum Reverse Current @PRV @25°C T <sub>A</sub> | Maximum Forward Voltage @25°C T <sub>A</sub> |                 | Maximum Reverse Recovery Time |
|------|------------------------------|------------------------------------------------------------------|----|--------------------------------------------------------|---------------------------------------------------|----------------------------------------------|-----------------|-------------------------------|
|      | PRV                          | I <sub>O</sub> @ T <sub>A</sub>                                  |    | I <sub>FM</sub> (Surge)                                | I <sub>R</sub>                                    | I <sub>FM</sub>                              | V <sub>FM</sub> | T <sub>rr</sub>               |
|      | V <sub>PK</sub>              | A <sub>AV</sub>                                                  | °C | A <sub>PK</sub>                                        | μA <sub>dc</sub>                                  | V <sub>PK</sub>                              | V <sub>PK</sub> | Ns                            |

**25.0 AMPERE / C25**

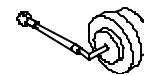
|      |      |      |     |     |     |    |      |    |
|------|------|------|-----|-----|-----|----|------|----|
| C25A | 50   | 25.0 | 150 | 400 | 3.0 | 50 | 1.08 | -- |
| C25B | 100  | 25.0 | 150 | 400 | 3.0 | 50 | 1.08 | -- |
| C25D | 200  | 25.0 | 150 | 400 | 3.0 | 50 | 1.08 | -- |
| C25G | 400  | 25.0 | 150 | 400 | 3.0 | 50 | 1.08 | -- |
| C25J | 600  | 25.0 | 150 | 400 | 3.0 | 50 | 1.08 | -- |
| C25K | 800  | 25.0 | 150 | 400 | 3.0 | 50 | 1.08 | -- |
| C25M | 1000 | 25.0 | 150 | 400 | 3.0 | 50 | 1.08 | -- |

**NOTE: Glass passivated forms are available upon request****25.0 AMPERE / 10MM LUCAS**

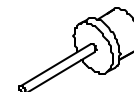
|        |     |      |     |     |    |    |      |    |
|--------|-----|------|-----|-----|----|----|------|----|
| LD2500 | 50  | 25.0 | 150 | 400 | 20 | 50 | 1.05 | -- |
| LD2501 | 100 | 25.0 | 150 | 400 | 20 | 50 | 1.05 | -- |
| LD2502 | 200 | 25.0 | 150 | 400 | 20 | 50 | 1.05 | -- |
| LD2503 | 300 | 25.0 | 150 | 400 | 20 | 50 | 1.05 | -- |
| LD2504 | 400 | 25.0 | 150 | 400 | 20 | 50 | 1.05 | -- |
| LD2505 | 500 | 25.0 | 150 | 400 | 20 | 50 | 1.05 | -- |
| LD2506 | 600 | 25.0 | 150 | 400 | 20 | 50 | 1.05 | -- |

**NOTE: Glass passivated forms are available upon request****25.0 AMPERE / DO-21**

|        |      |      |     |     |    |    |      |    |
|--------|------|------|-----|-----|----|----|------|----|
| PF2500 | 50   | 25.0 | 150 | 400 | 10 | 50 | 1.08 | -- |
| PF2501 | 100  | 25.0 | 150 | 400 | 10 | 50 | 1.08 | -- |
| PF2502 | 200  | 25.0 | 150 | 400 | 10 | 50 | 1.08 | -- |
| PF2504 | 400  | 25.0 | 150 | 400 | 10 | 50 | 1.08 | -- |
| PF2506 | 600  | 25.0 | 150 | 400 | 10 | 50 | 1.08 | -- |
| PF2508 | 800  | 25.0 | 150 | 400 | 10 | 50 | 1.08 | -- |
| PF2510 | 1000 | 25.0 | 150 | 400 | 10 | 50 | 1.08 | -- |

**NOTE: Glass passivated forms are available upon request****25.0 AMPERE / DO-21 FLAG LEAD**

|         |      |      |     |     |    |    |      |    |
|---------|------|------|-----|-----|----|----|------|----|
| PFW2500 | 50   | 25.0 | 150 | 400 | 10 | 50 | 1.08 | -- |
| PFW2501 | 100  | 25.0 | 150 | 400 | 10 | 50 | 1.08 | -- |
| PFW2502 | 200  | 25.0 | 150 | 400 | 10 | 50 | 1.08 | -- |
| PFW2504 | 400  | 25.0 | 150 | 400 | 10 | 50 | 1.08 | -- |
| PFW2506 | 600  | 25.0 | 150 | 400 | 10 | 50 | 1.08 | -- |
| PFW2508 | 800  | 25.0 | 150 | 400 | 10 | 50 | 1.08 | -- |
| PFW2510 | 1000 | 25.0 | 150 | 400 | 10 | 50 | 1.08 | -- |

**NOTE: Glass passivated forms are available upon request****25.0 AMPERE / TIN CAN**

|        |     |      |     |     |    |    |     |    |
|--------|-----|------|-----|-----|----|----|-----|----|
| TC2500 | 50  | 25.0 | 150 | 400 | 10 | 50 | 1.0 | -- |
| TC2501 | 100 | 25.0 | 150 | 400 | 10 | 50 | 1.0 | -- |
| TC2502 | 200 | 25.0 | 150 | 400 | 10 | 50 | 1.0 | -- |
| TC2503 | 300 | 25.0 | 150 | 400 | 10 | 50 | 1.0 | -- |
| TC2504 | 400 | 25.0 | 150 | 400 | 10 | 50 | 1.0 | -- |



SENSITRON SEMICONDUCTOR

**AUTOMOTIVE RECTIFIERS**

OPERATING AND STORAGE TEMPERATURE -65°C TO +175°C

| TYPE | Maximum Peak Reverse Voltage | Maximum Average Rectified Current @Half-Wave Resistive Load 60Hz |    | Maximum Forward Peak Surge Current @8.3ms Superimposed | Maximum Reverse Current @PRV @25°C T <sub>A</sub> | Maximum Forward Voltage @25°C T <sub>A</sub> |                 | Maximum Reverse Recovery Time |
|------|------------------------------|------------------------------------------------------------------|----|--------------------------------------------------------|---------------------------------------------------|----------------------------------------------|-----------------|-------------------------------|
|      | PRV                          | I <sub>O</sub> @ T <sub>A</sub>                                  |    | I <sub>FM</sub> (Surge)                                | I <sub>R</sub>                                    | I <sub>FM</sub>                              | V <sub>FM</sub> | T <sub>rr</sub>               |
|      | V <sub>PK</sub>              | A <sub>AV</sub>                                                  | °C | A <sub>PK</sub>                                        | μA <sub>dc</sub>                                  | V <sub>PK</sub>                              | V <sub>PK</sub> | Ns                            |

**30.0 AMPERE / 9.5MM DISH**

|       |     |      |     |     |     |    |     |    |
|-------|-----|------|-----|-----|-----|----|-----|----|
| DD300 | 50  | 30.0 | 150 | 500 | 100 | 30 | 1.1 | -- |
| DD301 | 100 | 30.0 | 150 | 500 | 100 | 30 | 1.1 | -- |
| DD302 | 200 | 30.0 | 150 | 500 | 100 | 30 | 1.1 | -- |
| DD303 | 300 | 30.0 | 150 | 500 | 100 | 30 | 1.1 | -- |
| DD304 | 400 | 30.0 | 150 | 500 | 100 | 30 | 1.1 | -- |
| DD305 | 500 | 30.0 | 150 | 500 | 100 | 30 | 1.1 | -- |
| DD306 | 600 | 30.0 | 150 | 500 | 100 | 30 | 1.1 | -- |

**30.0 AMPERE / 8.4MM DISH**

|        |     |      |     |     |     |    |     |    |
|--------|-----|------|-----|-----|-----|----|-----|----|
| DD300S | 50  | 30.0 | 150 | 500 | 100 | 30 | 1.1 | -- |
| DD301S | 100 | 30.0 | 150 | 500 | 100 | 30 | 1.1 | -- |
| DD302S | 200 | 30.0 | 150 | 500 | 100 | 30 | 1.1 | -- |
| DD303S | 300 | 30.0 | 150 | 500 | 100 | 30 | 1.1 | -- |
| DD304S | 400 | 30.0 | 150 | 500 | 100 | 30 | 1.1 | -- |
| DD305S | 500 | 30.0 | 150 | 500 | 100 | 30 | 1.1 | -- |
| DD306S | 600 | 30.0 | 150 | 500 | 100 | 30 | 1.1 | -- |

**35.0 AMPERE / AR**

|       |      |      |     |     |     |    |     |     |
|-------|------|------|-----|-----|-----|----|-----|-----|
| AR35A | 50   | 35.0 | 150 | 500 | 5.0 | 35 | 1.0 | 3.0 |
| AR35B | 100  | 35.0 | 150 | 500 | 5.0 | 35 | 1.0 | 3.0 |
| AR35D | 200  | 35.0 | 150 | 500 | 5.0 | 35 | 1.0 | 3.0 |
| AR35G | 400  | 35.0 | 150 | 500 | 5.0 | 35 | 1.0 | 3.0 |
| AR35J | 600  | 35.0 | 150 | 500 | 5.0 | 35 | 1.0 | 3.0 |
| AR35K | 800  | 35.0 | 150 | 500 | 5.0 | 35 | 1.0 | 3.0 |
| AR35M | 1000 | 35.0 | 150 | 500 | 5.0 | 35 | 1.0 | 3.0 |

NOTE: Glass passivated forms are available upon request

**35.0 AMPERE / ARS**

|        |      |      |     |     |     |    |     |     |
|--------|------|------|-----|-----|-----|----|-----|-----|
| ARS35A | 50   | 35.0 | 150 | 500 | 5.0 | 35 | 1.0 | 3.0 |
| ARS35B | 100  | 35.0 | 150 | 500 | 5.0 | 35 | 1.0 | 3.0 |
| ARS35D | 200  | 35.0 | 150 | 500 | 5.0 | 35 | 1.0 | 3.0 |
| ARS35G | 400  | 35.0 | 150 | 500 | 5.0 | 35 | 1.0 | 3.0 |
| ARS35J | 600  | 35.0 | 150 | 500 | 5.0 | 35 | 1.0 | 3.0 |
| ARS35K | 800  | 35.0 | 150 | 500 | 5.0 | 35 | 1.0 | 3.0 |
| ARS35M | 1000 | 35.0 | 150 | 500 | 5.0 | 35 | 1.0 | 3.0 |

NOTE: Glass passivated forms are available upon request

**35.0 AMPERE / 13MM BOSCH**

|        |     |      |     |     |    |    |      |    |
|--------|-----|------|-----|-----|----|----|------|----|
| BD3500 | 50  | 35.0 | 150 | 400 | 10 | 80 | 1.18 | -- |
| BD3501 | 100 | 35.0 | 150 | 400 | 10 | 80 | 1.18 | -- |
| BD3502 | 200 | 35.0 | 150 | 400 | 10 | 80 | 1.18 | -- |
| BD3503 | 300 | 35.0 | 150 | 400 | 10 | 80 | 1.18 | -- |
| BD3504 | 400 | 35.0 | 150 | 400 | 10 | 80 | 1.18 | -- |
| BD3505 | 500 | 35.0 | 150 | 400 | 10 | 80 | 1.18 | -- |
| BD3506 | 600 | 35.0 | 150 | 400 | 10 | 80 | 1.18 | -- |

NOTE: Glass passivated forms are available upon request



SENSITRON SEMICONDUCTOR

**AUTOMOTIVE RECTIFIERS**

OPERATING AND STORAGE TEMPERATURE -65°C TO +175°C

| TYPE | Maximum Peak Reverse Voltage | Maximum Average Rectified Current @Half-Wave Resistive Load 60Hz |    | Maximum Forward Peak Surge Current @8.3ms Superimposed | Maximum Reverse Current @PRV @25°C T <sub>A</sub> | Maximum Forward Voltage @25°C T <sub>A</sub> |                 | Maximum Reverse Recovery Time |
|------|------------------------------|------------------------------------------------------------------|----|--------------------------------------------------------|---------------------------------------------------|----------------------------------------------|-----------------|-------------------------------|
|      | PRV                          | I <sub>O</sub> @ T <sub>A</sub>                                  |    | I <sub>FM</sub> (Surge)                                | I <sub>R</sub>                                    | I <sub>FM</sub>                              | V <sub>FM</sub> | T <sub>rr</sub>               |
|      | V <sub>PK</sub>              | A <sub>AV</sub>                                                  | °C | A <sub>PK</sub>                                        | μA <sub>dc</sub>                                  | V <sub>PK</sub>                              | V <sub>PK</sub> | Ns                            |

**35.0 AMPERE / C35**

|      |      |      |     |     |     |    |      |    |
|------|------|------|-----|-----|-----|----|------|----|
| C35A | 50   | 35.0 | 150 | 400 | 3.0 | 80 | 1.08 | -- |
| C35B | 100  | 35.0 | 150 | 400 | 3.0 | 80 | 1.08 | -- |
| C35D | 200  | 35.0 | 150 | 400 | 3.0 | 80 | 1.08 | -- |
| C35G | 400  | 35.0 | 150 | 400 | 3.0 | 80 | 1.08 | -- |
| C35J | 600  | 35.0 | 150 | 400 | 3.0 | 80 | 1.08 | -- |
| C35K | 800  | 35.0 | 150 | 400 | 3.0 | 80 | 1.08 | -- |
| C35M | 1000 | 35.0 | 150 | 400 | 3.0 | 80 | 1.08 | -- |

NOTE: Glass passivated forms are available upon request

**35.0 AMPERE / 10MM LUCAS**

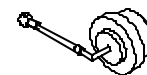
|        |     |      |     |     |    |    |      |    |
|--------|-----|------|-----|-----|----|----|------|----|
| LD3500 | 50  | 35.0 | 150 | 400 | 20 | 80 | 1.05 | -- |
| LD3501 | 100 | 35.0 | 150 | 400 | 20 | 80 | 1.05 | -- |
| LD3502 | 200 | 35.0 | 150 | 400 | 20 | 80 | 1.05 | -- |
| LD3503 | 300 | 35.0 | 150 | 400 | 20 | 80 | 1.05 | -- |
| LD3504 | 400 | 35.0 | 150 | 400 | 20 | 80 | 1.05 | -- |
| LD3505 | 500 | 35.0 | 150 | 400 | 20 | 80 | 1.05 | -- |
| LD3506 | 600 | 35.0 | 150 | 400 | 20 | 80 | 1.05 | -- |

NOTE: Glass passivated forms are available upon request

**35.0 AMPERE / DO-21**

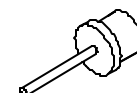
|        |      |      |     |     |    |    |      |    |
|--------|------|------|-----|-----|----|----|------|----|
| PF3500 | 50   | 35.0 | 150 | 400 | 10 | 80 | 1.08 | -- |
| PF3501 | 100  | 35.0 | 150 | 400 | 10 | 80 | 1.08 | -- |
| PF3502 | 200  | 35.0 | 150 | 400 | 10 | 80 | 1.08 | -- |
| PF3504 | 400  | 35.0 | 150 | 400 | 10 | 80 | 1.08 | -- |
| PF3506 | 600  | 35.0 | 150 | 400 | 10 | 80 | 1.08 | -- |
| PF3508 | 800  | 35.0 | 150 | 400 | 10 | 80 | 1.08 | -- |
| PF3510 | 1000 | 35.0 | 150 | 400 | 10 | 80 | 1.08 | -- |

NOTE: Glass passivated forms are available upon request

**35.0 AMPERE-DO / 21 FLAG LEAD**

|         |      |      |     |     |    |    |      |    |
|---------|------|------|-----|-----|----|----|------|----|
| PFW3500 | 50   | 35.0 | 150 | 400 | 10 | 80 | 1.08 | -- |
| PFW3501 | 100  | 35.0 | 150 | 400 | 10 | 80 | 1.08 | -- |
| PFW3502 | 200  | 35.0 | 150 | 400 | 10 | 80 | 1.08 | -- |
| PFW3504 | 400  | 35.0 | 150 | 400 | 10 | 80 | 1.08 | -- |
| PFW3506 | 600  | 35.0 | 150 | 400 | 10 | 80 | 1.08 | -- |
| PFW3508 | 800  | 35.0 | 150 | 400 | 10 | 80 | 1.08 | -- |
| PFW3510 | 1000 | 35.0 | 150 | 400 | 10 | 80 | 1.08 | -- |

NOTE: Glass passivated forms are available upon request

**35.0 AMPERE / TIN CAN**

|        |     |      |     |     |    |    |     |    |
|--------|-----|------|-----|-----|----|----|-----|----|
| TC3500 | 50  | 35.0 | 150 | 400 | 10 | 80 | 1.0 | -- |
| TC3501 | 100 | 35.0 | 150 | 400 | 10 | 80 | 1.0 | -- |
| TC3502 | 200 | 35.0 | 150 | 400 | 10 | 80 | 1.0 | -- |
| TC3503 | 300 | 35.0 | 150 | 400 | 10 | 80 | 1.0 | -- |
| TC3504 | 400 | 35.0 | 150 | 400 | 10 | 80 | 1.0 | -- |



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| TYPE | Maximum Peak Reverse Voltage | Maximum Average Rectified Current @Half-Wave Resistive Load 60Hz |    | Maximum Forward Peak Surge Current @8.3ms Superimposed | Maximum Reverse Current @PRV @25°C T <sub>A</sub> | Maximum Forward Voltage @25°C T <sub>A</sub> |                 | Maximum Reverse Recovery Time |
|------|------------------------------|------------------------------------------------------------------|----|--------------------------------------------------------|---------------------------------------------------|----------------------------------------------|-----------------|-------------------------------|
|      | PRV                          | I <sub>O</sub> @ T <sub>A</sub>                                  |    | I <sub>FM</sub> (Surge)                                | I <sub>R</sub>                                    | I <sub>FM</sub>                              | V <sub>FM</sub> | T <sub>rr</sub>               |
|      | V <sub>PK</sub>              | A <sub>AV</sub>                                                  | °C | A <sub>PK</sub>                                        | μAdc                                              | V <sub>PK</sub>                              | V <sub>PK</sub> | ns                            |

**40.0 AMPERE / AR/S**

|         |    |      |     |     |     |     |      |    |
|---------|----|------|-----|-----|-----|-----|------|----|
| AR2540  | 20 | 40.0 | 150 | 600 | 200 | 100 | 1.05 | -- |
| ARS2540 | 20 | 40.0 | 150 | 600 | 200 | 100 | 1.05 | -- |

**40.0 AMPERE / C2540**

|       |    |      |     |     |     |     |      |    |
|-------|----|------|-----|-----|-----|-----|------|----|
| C2540 | 20 | 40.0 | 150 | 600 | 200 | 100 | 1.05 | -- |
|-------|----|------|-----|-----|-----|-----|------|----|

**50.0 AMPERE / AR**

|       |      |      |     |     |     |    |     |     |
|-------|------|------|-----|-----|-----|----|-----|-----|
| AR50A | 50   | 50.0 | 150 | 500 | 5.0 | 50 | 1.2 | 3.0 |
| AR50B | 100  | 50.0 | 150 | 500 | 5.0 | 50 | 1.2 | 3.0 |
| AR50D | 200  | 50.0 | 150 | 500 | 5.0 | 50 | 1.2 | 3.0 |
| AR50G | 400  | 50.0 | 150 | 500 | 5.0 | 50 | 1.2 | 3.0 |
| AR50J | 600  | 50.0 | 150 | 500 | 5.0 | 50 | 1.2 | 3.0 |
| AR50K | 800  | 50.0 | 150 | 500 | 5.0 | 50 | 1.2 | 3.0 |
| AR50M | 1000 | 50.0 | 150 | 500 | 5.0 | 50 | 1.2 | 3.0 |

NOTE: Glass passivated forms are available upon request

**50.0 AMPERE / ARS**

|        |      |      |     |     |     |    |     |     |
|--------|------|------|-----|-----|-----|----|-----|-----|
| ARS50A | 50   | 50.0 | 150 | 500 | 5.0 | 50 | 1.2 | 3.0 |
| ARS50B | 100  | 50.0 | 150 | 500 | 5.0 | 50 | 1.2 | 3.0 |
| ARS50D | 200  | 50.0 | 150 | 500 | 5.0 | 50 | 1.2 | 3.0 |
| ARS50G | 400  | 50.0 | 150 | 500 | 5.0 | 50 | 1.2 | 3.0 |
| ARS50J | 600  | 50.0 | 150 | 500 | 5.0 | 50 | 1.2 | 3.0 |
| ARS50K | 800  | 50.0 | 150 | 500 | 5.0 | 50 | 1.2 | 3.0 |
| ARS50M | 1000 | 50.0 | 150 | 500 | 5.0 | 50 | 1.2 | 3.0 |

NOTE: Glass passivated forms are available upon request

**50.0 AMPERE / 13MM BOSCH**

|        |     |      |     |     |    |     |      |    |
|--------|-----|------|-----|-----|----|-----|------|----|
| BD5000 | 50  | 50.0 | 150 | 500 | 10 | 100 | 1.18 | -- |
| BD5001 | 100 | 50.0 | 150 | 500 | 10 | 100 | 1.18 | -- |
| BD5002 | 200 | 50.0 | 150 | 500 | 10 | 100 | 1.18 | -- |
| BD5003 | 300 | 50.0 | 150 | 500 | 10 | 100 | 1.18 | -- |
| BD5004 | 400 | 50.0 | 150 | 500 | 10 | 100 | 1.18 | -- |
| BD5005 | 500 | 50.0 | 150 | 500 | 10 | 100 | 1.18 | -- |
| BD5006 | 600 | 50.0 | 150 | 500 | 10 | 100 | 1.18 | -- |

NOTE: Glass passivated forms are available upon request

**50.0 AMPERE / C50**

|      |      |      |     |     |     |     |      |    |
|------|------|------|-----|-----|-----|-----|------|----|
| C50A | 50   | 50.0 | 150 | 500 | 3.0 | 100 | 1.08 | -- |
| C50B | 100  | 50.0 | 150 | 500 | 3.0 | 100 | 1.08 | -- |
| C50D | 200  | 50.0 | 150 | 500 | 3.0 | 100 | 1.08 | -- |
| C50G | 400  | 50.0 | 150 | 500 | 3.0 | 100 | 1.08 | -- |
| C50J | 600  | 50.0 | 150 | 500 | 3.0 | 100 | 1.08 | -- |
| C50K | 800  | 50.0 | 150 | 500 | 3.0 | 100 | 1.08 | -- |
| C50M | 1000 | 50.0 | 150 | 500 | 3.0 | 100 | 1.08 | -- |

NOTE: Glass passivated forms are available upon request

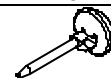


SENSITRON SEMICONDUCTOR

**AUTOMOTIVE RECTIFIERS**

OPERATING AND STORAGE TEMPERATURE -65°C TO +175°C

| TYPE | Maximum Peak Reverse Voltage | Maximum Average Rectified Current @Half-Wave Resistive Load 60Hz |    | Maximum Forward Peak Surge Current @8.3ms Superimposed | Maximum Reverse Current @PRV @25°C T <sub>A</sub> | Maximum Forward Voltage @25°C T <sub>A</sub> |                 | Maximum Reverse Recovery Time |
|------|------------------------------|------------------------------------------------------------------|----|--------------------------------------------------------|---------------------------------------------------|----------------------------------------------|-----------------|-------------------------------|
|      | PRV                          | I <sub>O</sub> @ T <sub>A</sub>                                  |    | I <sub>FM</sub> (Surge)                                | I <sub>R</sub>                                    | I <sub>FM</sub>                              | V <sub>FM</sub> | T <sub>rr</sub>               |
|      | V <sub>PK</sub>              | A <sub>AV</sub>                                                  | °C | A <sub>PK</sub>                                        | μA <sub>dc</sub>                                  | V <sub>PK</sub>                              | V <sub>PK</sub> | Ns                            |

**50.0 AMPERE / 9.5MM DISH**

|       |     |      |     |     |     |    |     |    |
|-------|-----|------|-----|-----|-----|----|-----|----|
| DD500 | 50  | 50.0 | 150 | 500 | 100 | 50 | 1.1 | -- |
| DD501 | 100 | 50.0 | 150 | 500 | 100 | 50 | 1.1 | -- |
| DD502 | 200 | 50.0 | 150 | 500 | 100 | 50 | 1.1 | -- |
| DD503 | 300 | 50.0 | 150 | 500 | 100 | 50 | 1.1 | -- |
| DD504 | 400 | 50.0 | 150 | 500 | 100 | 50 | 1.1 | -- |
| DD505 | 500 | 50.0 | 150 | 500 | 100 | 50 | 1.1 | -- |
| DD506 | 600 | 50.0 | 150 | 500 | 100 | 50 | 1.1 | -- |

**50.0 AMPERE / 8.4MM DISH**

|        |     |      |     |     |     |    |     |    |
|--------|-----|------|-----|-----|-----|----|-----|----|
| DD500S | 50  | 50.0 | 150 | 500 | 100 | 50 | 1.1 | -- |
| DD501S | 100 | 50.0 | 150 | 500 | 100 | 50 | 1.1 | -- |
| DD502S | 200 | 50.0 | 150 | 500 | 100 | 50 | 1.1 | -- |
| DD503S | 300 | 50.0 | 150 | 500 | 100 | 50 | 1.1 | -- |
| DD504S | 400 | 50.0 | 150 | 500 | 100 | 50 | 1.1 | -- |
| DD505S | 500 | 50.0 | 150 | 500 | 100 | 50 | 1.1 | -- |
| DD506S | 600 | 50.0 | 150 | 500 | 100 | 50 | 1.1 | -- |

**50.0 AMPERE / 10MM LUCAS**

|        |     |      |     |     |    |     |     |    |
|--------|-----|------|-----|-----|----|-----|-----|----|
| LD5000 | 50  | 50.0 | 150 | 500 | 20 | 100 | 1.1 | -- |
| LD5001 | 100 | 50.0 | 150 | 500 | 20 | 100 | 1.1 | -- |
| LD5002 | 200 | 50.0 | 150 | 500 | 20 | 100 | 1.1 | -- |
| LD5003 | 300 | 50.0 | 150 | 500 | 20 | 100 | 1.1 | -- |
| LD5004 | 400 | 50.0 | 150 | 500 | 20 | 100 | 1.1 | -- |
| LD5005 | 500 | 50.0 | 150 | 500 | 20 | 100 | 1.1 | -- |
| LD5006 | 600 | 50.0 | 150 | 500 | 20 | 100 | 1.1 | -- |

NOTE: Glass passivated forms are available upon request

**50.0 AMPERE / DO-21**

|        |      |      |     |     |    |     |      |    |
|--------|------|------|-----|-----|----|-----|------|----|
| PF5000 | 50   | 50.0 | 150 | 500 | 10 | 100 | 1.08 | -- |
| PF5001 | 100  | 50.0 | 150 | 500 | 10 | 100 | 1.08 | -- |
| PF5002 | 200  | 50.0 | 150 | 500 | 10 | 100 | 1.08 | -- |
| PF5004 | 400  | 50.0 | 150 | 500 | 10 | 100 | 1.08 | -- |
| PF5006 | 600  | 50.0 | 150 | 500 | 10 | 100 | 1.08 | -- |
| PF5008 | 800  | 50.0 | 150 | 500 | 10 | 100 | 1.08 | -- |
| PF5010 | 1000 | 50.0 | 150 | 500 | 10 | 100 | 1.08 | -- |

NOTE: Glass passivated forms are available upon request

**50.0 AMPERE / DO-21**

|         |      |      |     |     |    |     |      |    |
|---------|------|------|-----|-----|----|-----|------|----|
| PFW5000 | 50   | 50.0 | 150 | 500 | 10 | 100 | 1.08 | -- |
| PFW5001 | 100  | 50.0 | 150 | 500 | 10 | 100 | 1.08 | -- |
| PFW5002 | 200  | 50.0 | 150 | 500 | 10 | 100 | 1.08 | -- |
| PFW5004 | 400  | 50.0 | 150 | 500 | 10 | 100 | 1.08 | -- |
| PFW5006 | 600  | 50.0 | 150 | 500 | 10 | 100 | 1.08 | -- |
| PFW5008 | 800  | 50.0 | 150 | 500 | 10 | 100 | 1.08 | -- |
| PFW5010 | 1000 | 50.0 | 150 | 500 | 10 | 100 | 1.08 | -- |

NOTE: Glass passivated forms are available upon request