



### **C380PB Information**



For Reference Only

Part Number C380PB
Manufacturer Powerex Inc.

Category Discrete Semiconductor Products

Thyristors - SCRs

**Description** THYRISTOR DSC 1200V 250A TO200AB

Package TO-200AB, A-PUK

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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## **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









## **C380PB Specifications**

| Manufacturer Part Number         C380PB           Manufacturer         Powerex Inc.           Category         Discrete Semiconductor Products           Thyristors - SCRs           Package         TO-200AB, A-PUK           Series         -           Voltage - Off State         1200V           Voltage - Gate Trigger (Vgt) (Max)         3V           Current - Gate Trigger (Igt) (Max)         150mA           Voltage - On State (Vtm) (Max)         2.85 V           Current - On State (It (AV)) (Max)         250A           Current - On State (It (RMS)) (Max)         400A           Current - Hold (Ih) (Max)         -           Current - Foff State (Max)         20mA           Current - Non Rep. Surge 50, 60Hz (Itsm)         3200A, 3500A           SCR Type         Standard Recovery           Operating Temperature         -40°C ~ 125°C           Mounting Type         Chassis Mount           Package / Case         TO-200AB, A-PUK           Supplier Device Package         Press-Pak (Pow-R-Disc) |  |                                 |
|--|--|---------------------------------|
| Category  Discrete Semiconductor Products Thyristors - SCRs  Package  TO-200AB, A-PUK  Series  - Voltage - Off State  Voltage - Gate Trigger (Vgt) (Max)  Current - Gate Trigger (Igt) (Max)  Voltage - On State (Vtm) (Max)  150mA  Voltage - On State (Vtm) (Max)  2.85V  Current - On State (It (AV)) (Max)  Current - On State (It (RMS)) (Max)  Current - Hold (Ih) (Max)  - Current - Hold (Ih) (Max)  Current - Non Rep. Surge 50, 60Hz (Itsm)  SCR Type  Standard Recovery  Operating Temperature  A0°C ~ 125°C  Mounting Type  Chassis Mount  Package / Case  TO-200AB, A-PUK  Supplier Device Package  | Manufacturer Part Number                 | C380PB                          |
| Package TO-200AB, A-PUK  Series - Colored Trigger (Vgt) (Max) 1200V  Voltage - Gate Trigger (Igt) (Max) 150mA  Voltage - On State (Vtm) (Max) 2.85V  Current - On State (It (AV)) (Max) 250A  Current - On State (It (RMS)) (Max) 400A  Current - Hold (Ih) (Max) - Current - Off State (Max) 20mA  Current - Non Rep. Surge 50, 60Hz (Itsm) 3200A, 3500A  SCR Type Standard Recovery  Operating Temperature -40°C ~ 125°C  Mounting Type Chassis Mount  Package / Case TO-200AB, A-PUK  Supplier Device Package Press-Pak (Pow-R-Disc)  | Manufacturer                             | Powerex Inc.                    |
| Package TO-200AB, A-PUK  Series - Voltage - Off State 1200V  Voltage - Gate Trigger (Vgt) (Max) 3V  Current - Gate Trigger (Igt) (Max) 150mA  Voltage - On State (Vtm) (Max) 2.85V  Current - On State (It (AV)) (Max) 250A  Current - On State (It (RMS)) (Max) 400A  Current - Hold (Ih) (Max) -  Current - Off State (Max) 20mA  Current - Non Rep. Surge 50, 60Hz (Itsm) 3200A, 3500A  SCR Type Standard Recovery  Operating Temperature -40°C ~ 125°C  Mounting Type Chassis Mount  Package / Case TO-200AB, A-PUK  Supplier Device Package Press-Pak (Pow-R-Disc)  | Category                                 | Discrete Semiconductor Products |
| Series - Voltage - Off State 1200V  Voltage - Gate Trigger (Vgt) (Max) 3V  Current - Gate Trigger (Igt) (Max) 150mA  Voltage - On State (Vtm) (Max) 2.85V  Current - On State (It (AV)) (Max) 250A  Current - On State (It (RMS)) (Max) 400A  Current - Hold (Ih) (Max) - Current - Off State (Max) 20mA  Current - Non Rep. Surge 50, 60Hz (Itsm) 3200A, 3500A  SCR Type Standard Recovery  Operating Temperature -40°C ~ 125°C  Mounting Type Chassis Mount  Package / Case TO-200AB, A-PUK  Supplier Device Package   |  | Thyristors - SCRs               |
| Voltage - Off State  Voltage - Gate Trigger (Vgt) (Max)  Current - Gate Trigger (Igt) (Max)  Voltage - On State (Vtm) (Max)  Current - On State (It (AV)) (Max)  Current - On State (It (RMS)) (Max)  Current - Hold (Ih) (Max)  Current - Off State (Max)  Current - Off State (Max)  Current - Non Rep. Surge 50, 60Hz (Itsm)  SCR Type  Standard Recovery  Operating Temperature  -40°C ~ 125°C  Mounting Type  Chassis Mount  Package / Case  TO-200AB, A-PUK  Supplier Device Package   | Package                                  | TO-200AB, A-PUK                 |
| Voltage - Gate Trigger (Vgt) (Max)  Current - Gate Trigger (Igt) (Max)  150mA  Voltage - On State (Vtm) (Max)  2.85V  Current - On State (It (AV)) (Max)  250A  Current - On State (It (RMS)) (Max)  400A  Current - Hold (Ih) (Max)  -  Current - Off State (Max)  Current - Non Rep. Surge 50, 60Hz (Itsm)  3200A, 3500A  SCR Type  Standard Recovery  Operating Temperature  40°C ~ 125°C  Mounting Type  Chassis Mount  Package / Case  TO-200AB, A-PUK  Supplier Device Package  Press-Pak (Pow-R-Disc)   | Series                                   | -                               |
| Current - Gate Trigger (Igt) (Max)  Voltage - On State (Vtm) (Max)  2.85V  Current - On State (It (AV)) (Max)  250A  Current - On State (It (RMS)) (Max)  400A  Current - Hold (Ih) (Max)  -  Current - Off State (Max)  Current - Non Rep. Surge 50, 60Hz (Itsm)  3200A, 3500A  SCR Type  Standard Recovery  Operating Temperature  -40°C ~ 125°C  Mounting Type  Chassis Mount  Package / Case  TO-200AB, A-PUK  Supplier Device Package  Press-Pak (Pow-R-Disc)   | Voltage - Off State                      | 1200V                           |
| Voltage - On State (Vtm) (Max)  Current - On State (It (AV)) (Max)  Current - On State (It (RMS)) (Max)  Current - Hold (Ih) (Max)  Current - Hold (Ih) (Max)  Current - Off State (Max)  Current - Non Rep. Surge 50, 60Hz (Itsm)  SCR Type  Standard Recovery  Operating Temperature  -40°C ~ 125°C  Mounting Type  Chassis Mount  Package / Case  TO-200AB, A-PUK  Supplier Device Package  Press-Pak (Pow-R-Disc)  | Voltage - Gate Trigger (Vgt) (Max)       | 3V                              |
| Current - On State (It (AV)) (Max)  Current - On State (It (RMS)) (Max)  400A  Current - Hold (Ih) (Max)  - Current - Off State (Max)  Current - Non Rep. Surge 50, 60Hz (Itsm)  3200A, 3500A  SCR Type  Standard Recovery  Operating Temperature  -40°C ~ 125°C  Mounting Type  Chassis Mount  Package / Case  TO-200AB, A-PUK  Supplier Device Package  Press-Pak (Pow-R-Disc)   | Current - Gate Trigger (Igt) (Max)       | 150mA                           |
| Current - On State (It (RMS)) (Max)  Current - Hold (Ih) (Max)  - Current - Off State (Max)  Current - Non Rep. Surge 50, 60Hz (Itsm)  SCR Type  Standard Recovery  Operating Temperature  -40°C ~ 125°C  Mounting Type  Chassis Mount  Package / Case  TO-200AB, A-PUK  Supplier Device Package  Press-Pak (Pow-R-Disc)   | Voltage - On State (Vtm) (Max)           | 2.85V                           |
| Current - Hold (Ih) (Max)  Current - Off State (Max)  Current - Non Rep. Surge 50, 60Hz (Itsm)  SCR Type  Standard Recovery  Operating Temperature  -40°C ~ 125°C  Mounting Type  Chassis Mount  Package / Case  TO-200AB, A-PUK  Supplier Device Package  Press-Pak (Pow-R-Disc)  | Current - On State (It (AV)) (Max)       | 250A                            |
| Current - Off State (Max)  Current - Non Rep. Surge 50, 60Hz (Itsm)  3200A, 3500A  SCR Type  Standard Recovery  Operating Temperature  -40°C ~ 125°C  Mounting Type  Chassis Mount  Package / Case  TO-200AB, A-PUK  Supplier Device Package  Press-Pak (Pow-R-Disc)   | Current - On State (It (RMS)) (Max)      | 400A                            |
| Current - Non Rep. Surge 50, 60Hz (Itsm)  SCR Type  Standard Recovery  Operating Temperature  -40°C ~ 125°C  Mounting Type  Chassis Mount  Package / Case  TO-200AB, A-PUK  Supplier Device Package  Press-Pak (Pow-R-Disc)  | Current - Hold (Ih) (Max)                | -                               |
| SCR Type Standard Recovery Operating Temperature -40°C ~ 125°C Mounting Type Chassis Mount Package / Case TO-200AB, A-PUK Supplier Device Package Press-Pak (Pow-R-Disc)   | Current - Off State (Max)                | 20mA                            |
| Operating Temperature  -40°C ~ 125°C  Mounting Type  Chassis Mount  Package / Case  TO-200AB, A-PUK  Supplier Device Package  Press-Pak (Pow-R-Disc)   | Current - Non Rep. Surge 50, 60Hz (Itsm) | 3200A, 3500A                    |
| Mounting Type Chassis Mount  Package / Case TO-200AB, A-PUK  Supplier Device Package Press-Pak (Pow-R-Disc)  | SCR Type                                 | Standard Recovery               |
| Package / Case TO-200AB, A-PUK Supplier Device Package Press-Pak (Pow-R-Disc)  | Operating Temperature                    | -40°C ~ 125°C                   |
| Supplier Device Package Press-Pak (Pow-R-Disc)   | Mounting Type                            | Chassis Mount                   |
|  | Package / Case                           | TO-200AB, A-PUK                 |
| Report errors?   | Supplier Device Package                  | Press-Pak (Pow-R-Disc)          |
|  |  | Report errors?                  |

### **C380PB Guarantees**



#### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

### **C380PB Payment Methods**



















# **C380PB Shipping Methods**













If you have any question about C380PB, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com