



### **SDUR1620CT Information**

Part Number SDUR1620CT

**Manufacturer** SMC Diode Solutions

Category Discrete Semiconductor Products

Diodes - Rectifiers - Arrays

**Description** DIODE SCHOTTKY 200V TO220AB

Package TO-220-3

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**

For Reference Only

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.









# **SDUR1620CT Specifications**

| Manufacturer Part Number       SDUR 1620CT         Manufacturer       SMC Diode Solutions         Category       Discrete Semiconductor Products         Diodes - Rectifiers - Arrays       TO-220-3         Series       -         Diode Configuration       1 Pair Common Cathode         Diode Type       Schottky         Voltage - DC Reverse (Vr) (Max)       200V         Current - Average Rectified (Io) (per Diode)       -         Voltage - Forward (Vf) (Max) @ If       1.2V @ 8A         Speed       Fast Recovery =< 500ns, > 200mA (Io)         Reverse Recovery Time (trr)       -         Current - Reverse Leakage @ Vr       5μA @ 200V         Operating Temperature - Junction       -55°C ~ 150°C         Mounting Type       Through Hole         Package / Case       TO-220-3         Surplies Davis a Package       TO-220-3 |  |                                      |
|--|--|--------------------------------------|
| CategoryDiscrete Semiconductor Products<br>Diodes - Rectifiers - ArraysPackageTO-220-3Series-Diode Configuration1 Pair Common CathodeDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)200VCurrent - Average Rectified (Io) (per Diode)-Voltage - Forward (Vf) (Max) @ If1.2V @ 8ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr5μA @ 200VOperating Temperature - Junction-55°C ~ 150°CMounting TypeThrough HolePackage / CaseTO-220-3   | Manufacturer Part Number                     | SDUR1620CT                           |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$   | Manufacturer                                 | SMC Diode Solutions                  |
| Package TO-220-3  Series - Common Cathode  Diode Configuration 1 Pair Common Cathode  Diode Type Schottky  Voltage - DC Reverse (Vr) (Max) 200V  Current - Average Rectified (Io) (per Diode) - Common Cathode  Speed Fast Recovery =< 500ns, > 200mA (Io)  Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr  Operating Temperature - Junction -55°C ~ 150°C  Mounting Type Through Hole  Package / Case TO-220-3  | Category                                     | Discrete Semiconductor Products      |
| Series-Diode Configuration1 Pair Common CathodeDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)200VCurrent - Average Rectified (Io) (per Diode)-Voltage - Forward (Vf) (Max) @ If1.2V @ 8ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr5μA @ 200VOperating Temperature - Junction-55°C ~ 150°CMounting TypeThrough HolePackage / CaseTO-220-3   |  | Diodes - Rectifiers - Arrays         |
| Diode Configuration1 Pair Common CathodeDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)200VCurrent - Average Rectified (Io) (per Diode)-Voltage - Forward (Vf) (Max) @ If1.2V @ 8ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr5μA @ 200VOperating Temperature - Junction-55°C ~ 150°CMounting TypeThrough HolePackage / CaseTO-220-3  | Package                                      | TO-220-3                             |
| Diode Type  Schottky  Voltage - DC Reverse (Vr) (Max)  Current - Average Rectified (Io) (per Diode)  Voltage - Forward (Vf) (Max) @ If  1.2V @ 8A  Speed  Fast Recovery =< 500ns, > 200mA (Io)  Reverse Recovery Time (trr)  - Current - Reverse Leakage @ Vr  Operating Temperature - Junction  Fast Recovery =< 500ns, > 200mA (Io)  Through Hole  Package / Case  TO-220-3  | Series                                       | -                                    |
| Voltage - DC Reverse (Vr) (Max)200VCurrent - Average Rectified (Io) (per Diode)-Voltage - Forward (Vf) (Max) @ If1.2V @ 8ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr5μA @ 200VOperating Temperature - Junction-55°C ~ 150°CMounting TypeThrough HolePackage / CaseTO-220-3  | Diode Configuration                          | 1 Pair Common Cathode                |
| Current - Average Rectified (Io) (per Diode)       -         Voltage - Forward (Vf) (Max) @ If       1.2V @ 8A         Speed       Fast Recovery =< 500ns, > 200mA (Io)         Reverse Recovery Time (trr)       -         Current - Reverse Leakage @ Vr       5μA @ 200V         Operating Temperature - Junction       -55°C ~ 150°C         Mounting Type       Through Hole         Package / Case       TO-220-3  | Diode Type                                   | Schottky                             |
| Voltage - Forward (Vf) (Max) @ If $ 1.2V @ 8A $ Speed $ Fast Recovery = < 500ns, > 200mA (Io) $ Reverse Recovery Time (trr) $ - $ Current - Reverse Leakage @ Vr $ 5\mu A @ 200V $ Operating Temperature - Junction $ -55^{\circ}C \sim 150^{\circ}C $ Mounting Type $ Through Hole $ Package / Case $ TO-220-3 $  | Voltage - DC Reverse (Vr) (Max)              | 200V                                 |
| $Speed \qquad Fast \ Recovery = < 500ns, > 200mA \ (Io)$ $Reverse \ Recovery \ Time \ (trr) \qquad -$ $Current - Reverse \ Leakage @ \ Vr \qquad 5\mu A @ 200V$ $Operating \ Temperature - Junction \qquad -55^{\circ}C \sim 150^{\circ}C$ $Mounting \ Type \qquad Through \ Hole$ $Package \ / \ Case \qquad TO-220-3$  | Current - Average Rectified (Io) (per Diode) | -                                    |
| Reverse Recovery Time (trr)  | Voltage - Forward (Vf) (Max) @ If            | 1.2V @ 8A                            |
| Current - Reverse Leakage @ Vr $5\mu A$ @ 200V Operating Temperature - Junction $-55^{\circ}C \sim 150^{\circ}C$ Mounting Type Through Hole Package / Case TO-220-3  | Speed  | Fast Recovery =< 500ns, > 200mA (Io) |
| Operating Temperature - Junction -55°C ~ 150°C  Mounting Type Through Hole  Package / Case TO-220-3  | Reverse Recovery Time (trr)                  | -                                    |
| Mounting Type Through Hole Package / Case TO-220-3   | Current - Reverse Leakage @ Vr               | 5μA @ 200V                           |
| Package / Case TO-220-3  | Operating Temperature - Junction             | -55°C ~ 150°C                        |
| -  | Mounting Type                                | Through Hole                         |
| Sympton Davida Backaga   | Package / Case                               | TO-220-3                             |
| Supplier Device Fackage 10-220AB   | Supplier Device Package                      | TO-220AB                             |
| Report errors?   |  | Report errors?                       |

#### **SDUR1620CT 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.

## **SDUR1620CT Payment Methods**



















### **SDUR1620CT Shipping Methods**













If you have any question about SDUR1620CT, please do not hesitate to contact us!

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