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| <br>life.augmented | <b>Manufacturer Part Number:</b> STPS1045D   |
|   | <b>Manufacturer/Brand:</b> STMicroelectronics  |
|                    | <b>Part of Description:</b> DIODE SCHOTTKY 45V 10A TO220AC   |
|   | <b>Datasheets:</b>  <a href="#">STPS1045D.pdf</a> |
|   | <b>RoHs Status:</b>  Lead free / RoHS             |
|   | <b>Stock Condition:</b> Compliant<br>New original, 303 pcs Stock Available.  |
|   | <b>Ship From:</b> Hong Kong  |
| Image may be representation.<br>See specs for product details.                                      | <b>Shipment Way:</b> DHL/Fedex/TNT/UPS/EMS   |

### Specifications

|                                   |   |
|-----------------------------------|---|
| Part Number                       | STPS1045D   |
| Manufacturer                      | STMicroelectronics                                      |
| Description                       | DIODE SCHOTTKY 45V 10A TO220AC                          |
| Category                          | Discrete Semiconductor Products > Diodes - Rectifiers - |
| Part Status                       | 303 pcs Stock   |
| Voltage - Forward (Vf) (Max) @ If | 600mV @ 10A   |
| Voltage - DC Reverse (Vr) (Max)   | 45V   |
| Supplier Device Package           | TO-220AC  |
| Speed                             | Fast Recovery = 200mA (Io)                              |
| Series                            | -   |
| Packaging                         | Tube  |
| Package / Case                    | TO-220-2  |
| Operating Temperature - Junction  | 175°C (Max)   |
| Mounting Type                     | Through Hole  |
| Diode Type                        | Schottky  |
| Current - Reverse Leakage @ Vr    | 100µA @ 45V   |
| Current - Average Rectified (Io)  | 10A   |
| Capacitance @ Vr, F               | -   |

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| <b>In:</b><br><br><b>STPS1045BTRR</b><br>Vishay Semiconductor Diodes<br>Division<br>DIODE SCHOTTKY 45V 10A DPAK | <br><b>STPS1045DEE-TR</b><br>STMicroelectronics<br>DIODE SCHOTTKY 45V 10A<br>POWERFLAT | <br><b>STPS1045BY-TR</b><br>STMicroelectronics<br>DIODE SCHOTTKY 45V 10A DPAK | <br><b>STPS1045BTRR</b><br>Vishay Semiconductor Diodes<br>Division<br>DIODE SCHOTTKY 45V 10A DPAK |
| <br><b>STPS1045DEE-TR</b><br>STMicroelectronics<br>DIODE SCHOTTKY 45V 10A<br>POWERFLAT                          | <br><b>STPS1045RRL</b><br>STMicroelectronics<br>DIODE SCHOTTKY 45V 10A DPAK            | <br><b>STPS1045BY</b><br>ST<br>ST QR  | <br><b>STPS1045SRL</b><br>ST<br>ST DO   |

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