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| <br>life.augmented | <b>Manufacturer Part Number:</b> <a href="#">STPSC6H065BY-TR</a>   |
|   | <b>Manufacturer/Brand:</b> <a href="#">STMicroelectronics</a>  |
|                    | <b>Part of Description:</b> AUTOMOTIVE 650 V POWER SCHOTTKY  |
|   | <b>Datasheets:</b>  <a href="#">STPSC6H065BY-TR.pdf</a> |
| <b>RoHs Status:</b>   |  |
| <b>Stock Condition:</b>   | New original, Stock Available.   |
| <b>Ship From:</b>   | Hong Kong  |
| <b>Shipment Way:</b>  | DHL/Fedex/TNT/UPS/EMS  |
| Image may be representation. See specs for product details.   |  |

### Specifications

|                                  |  |
|----------------------------------|--|
| Part Number                      | <a href="#">STPSC6H065BY-TR</a>  |
| Manufacturer                     | <a href="#">STMicroelectronics</a>   |
| Description                      | AUTOMOTIVE 650 V POWER SCHOTTKY  |
| Category                         | <a href="#">Discrete Semiconductor Products &gt; Diodes - Rectifiers -</a> |
| Part Status                      | <a href="#">Require For Quote &amp; Check Stock</a>                        |
| Voltage - DC Reverse (Vr) (Max)  | 650V   |
| Supplier Device Package          | DPAK   |
| Speed                            | No Recovery Time > 500mA (Io)  |
| Series                           | Automotive, AEC-Q101   |
| Reverse Recovery Time (trr)      | 0ns  |
| Packaging                        | Tape & Reel (TR)   |
| Package / Case                   | TO-252-3, DPak (2 Leads + Tab), SC-63                                      |
| Other Names                      | 497-18140-2  |
| Operating Temperature - Junction | -40°C ~ 175°C  |
| Mounting Type                    | Surface Mount  |
| Moisture Sensitivity Level (MSL) | 1 (Unlimited)  |
| Diode Type                       | Silicon Carbide Schottky   |
| Detailed Description             | Diode Silicon Carbide Schottky 650V 6A Surface Mount                       |
| Current - Reverse Leakage @ Vr   | 60µA @ 650V  |
| Current - Average Rectified (Io) | 6A   |
| Capacitance @ Vr, F              | 300pF @ 0V, 1MHz   |

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