



| STTH3010PI                |   |
|---------------------------|---|
| Manufacturer Part Number: | STTH3010PI  |
| Manufacturer/Brand:       | STMicroelectronics                                    |
| Part of Description:      | DIODE GEN PURP 1KV 30A DOP3I                          |
| Datasheets:               | STTH3010PI.pdf  |
| RoHs Status:              | Rohs Lead free / RoHS                                 |
| Stock Condition:          | Compliant<br>New original, 13838 pcs Stock Available. |
| Ship From:                | Hong Kong   |
| Shipment Way:             | DHL/Fedex/TNT/UPS/EMS                                 |

| Specifications                    |   |
|-----------------------------------|---|
| Part Number                       | STTH3010PI  |
| Manufacturer                      | STMicroelectronics                                      |
| Description                       | DIODE GEN PURP 1KV 30A DOP3I                            |
| Category                          | Discrete Semiconductor Products > Diodes - Rectifiers - |
| Part Status                       | 13838 pcs Stock   |
| Voltage - Forward (Vf) (Max) @ If | 2V @ 30A  |
| Voltage - DC Reverse (Vr) (Max)   | 1000V (1kV)   |
| Supplier Device Package           | DOP3I   |
| Speed                             | Fast Recovery = 200mA (Io)                              |
| Series                            | -   |
| Reverse Recovery Time (trr)       | 100ns   |
| Packaging                         | Tube  |
| Package / Case                    | DOP3I-2 Insulated (Straight Leads)                      |
| Operating Temperature - Junction  | 175°C (Max)   |
| Mounting Type                     | Through Hole  |
| Diode Type                        | Standard  |
| Current - Reverse Leakage @ Vr    | 15μA @ 1000V  |
| Current - Average Rectified (Io)  | 30A   |

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Capacitance @ Vr, F





**STTH3012W** STMicroelectronics DIODE GEN PURP 1.2KV 30A DO247



STTH3006TPI STMicroelectronics DIODE ARRAY GP 600V 30A 3TOPI



**STTH3010D** STMicroelectronics DIODE GEN PURP 1KV 30A TO220AC



**STTH3012D** STMicroelectronics DIODE GEN PURP 1.2KV 30A TO220AC



**STTH3010W** STMicroelectronics DIODE GEN PURP 1KV 30A DO247



STTH3006PI STMicroelectronics DIODE GEN PURP 600V 30A DOP3I



STTH3010GY-TR STMicroelectronics DIODE GEN PURP 1KV 30A D2PAK



**STTH3010WY** STMicroelectronics DIODE GEN PURP 1KV 30A DO247-2

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