



Product Overview

NSR05F40NX: Schottky Barrier Diode, 500 mA, 40 V

For complete documentation, see the data sheet

Product Description

The Schottky diode is optimized for low forward voltage drop and low leakage current and are offered in a Chip Scale Package (CSP) to reduce board space. The low thermal resistance enables designers to meet the challenging task of achieving higher efficiency and meeting reduced space requirements.

Features	Benefits
<ul style="list-style-type: none"><li>Low Forward Voltage Drop (VF)</li></ul>	<ul style="list-style-type: none"><li>Better efficiency</li></ul>

Applications	End Products
<ul style="list-style-type: none"><li>Reverse Voltage &amp; Current Protection</li></ul>	<ul style="list-style-type: none"><li>Portable/Consumer Products</li></ul>

Part Electrical Specifications

Product	Compliance	Status	Configurat ion	V <sub>RRM</sub> Min (V)	V <sub>F</sub> Max (V)	I <sub>RM</sub> Max (uA)	I <sub>O(rec)</sub> Max (A)	I <sub>FSM</sub> Max (A)	t <sub>rr</sub> Max (ns)	C <sub>j</sub> Max (pF)	Package Type
NSR05F40NXT5G	AEC Qualified Pb-free Halide free	Active	Single	40	0.46	15	0.5	10	-	-	DSN-2
NSVR05F40NXT5G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	40	0.46	15	0.5	10	-	-	DSN-2

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com)

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