



Product Overview

NSR0340P2: Schottky Barrier Diode, 200 mA, 40 V

For complete documentation, see the data sheet

Product Description

Schottky rectifiers are optimized for very low forward voltage drop and low leakage current and are used in a wide range of dc-dc converter, clamping and protection applications in portable devices. NSR0340P2 in a SOD-923 miniature package enables designers to meet the challenging task of achieving higher efficiency and meeting reduced space requirements.

Features

- Very Low Forward Voltage Drop 420 mV @ 100 mA
- Low Reverse Current 0.6uA @ 10 V
- Continuous Forward Current 200 mA
- Power Dissipation with Minimum Trace 190 mW
- Very High Switching Speed 3.0 ns @ 10 mA
- Low Capacitance 4 pF @ 5.0 V

Applications

- LCD and Keypad Backlighting
- Camera Photo Flash
- Buck and Boost dc-dc Converters
- Reverse Voltage and Current Protection
- Clamping & Protection

End Products

- Mobile Handsets
- MP3 Players
- Digital Camera and Camcorders
- Notebook PCs & PDAs

Part Electrical Specifications

Product	Compliance	Status	Configuration	V _{RRM} Min (V)	V _F Max (V)	I _{RM} Max (uA)	I _{O(rec)} Max (A)	I _{FSM} Max (A)	t _r Max (ns)	C _j Max (pF)	Package Type
NSR0340P2T5G	AEC Qualified Pb-free Halide free	Active	Single	40	0.56	5	0.2	1	3	4	SOD-923-2

For more information please contact your local sales support at www.onsemi.com

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