

Product Overview

NSR0140P2: 30 V, 0.1 A Low IR Schottky Diode

For complete documentation, see the data sheet.

The Schottky diode is designed for high-speed switching applications, circuit protection and voltage clamping. Extremely low forward voltage reduces conduction loss. Miniature surface mount SOD923 package is excellent for hand-held and portable applications where space is limited.

Features

- Extremely Fast Switching Speed
- Extremely Low Forward Voltage 0.28 V (Typ) @ $I_F = 1.0$ mA
- Low Reverse Current
- This is a Pb-Free Device

Applications

- Ideally suited for use as part of discrete buck converter or discrete boost converter

Part Electrical Specifications

Product	Compliance	Status	Configuration	V_{RRM} Min (V)	V_F Max (V)	I_{RM} Max (μ A)	$I_{O(rec)}$ Max (A)	I_{FSM} Max (A)	t_r Max (ns)	C_j Max (pF)	Package Type
NSR0140P2T5G	Pb-free Halide free	Active	Single	30	0.35	0.5	0.07	0.03	-	2.5	SOD-923-2

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

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