



Product Overview

NSR0230: Schottky Barrier Diode, 30 V, 200 mA, Low V_F

For complete documentation, see the data sheet

Product Description

These SOD723 Schottky diodes are designed for high-speed switching applications, circuit protection, and voltage clamping. Extremely low forward voltage reduces conduction loss. Miniature surface mount SOD-723 package is excellent for hand-held and portable applications where space is limited.

Features

- Extremely Fast Switching Speed
- Extremely Low Forward Voltage 0.325 V (max) @ $I_F = 10$ mA
- Low Reverse Current
- This is a Pb-Free Device
- NSV Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC Qualified and PPAP Capable

Applications

- Used in Buck and Boost Conversion
- Used in LED Drive and LCD Drive Circuits

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
NSR0230M2T5G	AEC Qualified Pb-free Halide free	Active	Single	30	0.325	10	0.2	1	-	-	SOD-723-2
NSVR0230M2T5G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	30	0.325	10	0.2	1	-	-	SOD-723-2

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

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