

Product Overview

NSR15405NX: Schottky Barrier Diode, 1.5 A, 40 V

For complete documentation, see the data sheet.

These Schottky barrier diodes are 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

- Low Forward Voltage Drop - 540 mV (Typ.) @ $I_F = 1.5$ A
- Low Reverse Current - 20 A (Typ.) @ $V_R = 40$ V
- 1.5 A of Continuous Forward Current
- ESD Rating - Human Body Model: Class 3B; Machine Model: Class C
- High Switching Speed
- These Devices are Pb-Free, Halogen Free/BFR Free and are RoHS Compliant

Applications

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

End Products

- Smartphones
- Tablets
- Wearable Devices

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
NSR15405NXT5G	Pb-free Halide free	Active	Single	40	0.59	75	1.5	13	33	85	DSN-2

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

Created on: 10/19/2018