

Product Overview

RB751S40T: Schottky Barrier Diode, 30 V

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. The miniature surface mount 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) @ $I_F = 1.0$ mAdc
- Low Reverse Current
- Lead-Free Plating
- These Devices are Pb-Free, Halogen Free/BFR Free and are RoHS Compliant

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
NSVRB751S40T1G	AEC Qualified	Active	Single	30	0.37	0.5	0.03	0.5	-	2.5	SOD-523-2
	PPAP Capable										
	Pb-free										
	Halide free										
NSVRB751S40T5G	AEC Qualified	Active	Single	30	0.37	0.5	0.03	0.5	-	2.5	SOD-523-2
	PPAP Capable										
	Pb-free										
	Halide free										
RB751S40T1G	Pb-free	Active	Single	30	0.37	0.5	0.03	0.5	-	2.5	SOD-523-2
	Halide free										
RB751S40T5G	Pb-free	Active	Single	30	0.37	0.5	0.03	0.5	-	2.5	SOD-523-2
	Halide free										

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

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