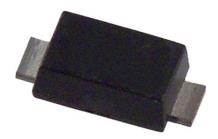
Schottky Diode SOD323-F







Features:

- · Low forward voltage drop
- · Flat lead SOD-323F small outline plastic package
- · Surface device type mounting
- · Moisture sensitivity level 1
- Clip bonding construction, good thermal capability
- · Matte Tin (Sn) lead finish
- · Band indicates cathode

Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

Type Number	Symbol	Value	Units	
Power Dissipation	P _d	200	mW	
Repetitive Peak Reverse Voltage	V_{RRM}	20		
Maximum DC Blocking Voltage	V _R	30	V	
Average Rectified Forward Current	I _{F (AV)}	200	mA	
Peak Forward Surge Current	I _{FSM}	4	А	
Operating and Storage Temperature Range	T _J , T _{STG}	-65 to + 125	°C	

Electrical Characteristics

Type Number	Symbol	Min.	Max.	Units
Breakdown Voltage at I _R = 100μA	B _V	30	-	V
Reverse Leakage Current at V _R = 25V	I _R	-	500	nA
Forward Voltage BAT42WS at IF = 200mA BAT42WS at IF = 10mA BAT42WS at IF = 50mA	V _F	-	1 0.4 0.65	V
Junction Capacitance V _R = 1, f = 1MHz	C _j	7 (Ty	pical)	pF
Reverse Recovery Time (Note 1)	t _{rr}	5 (Ty	pical)	nS

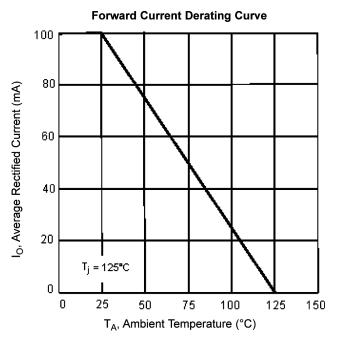
Notes : 1. Reverse Recovery Test Conditions: $I_F = I_R = 10$ mA, $I_{rr} = 1$ mA, $R_L = 100\Omega$.

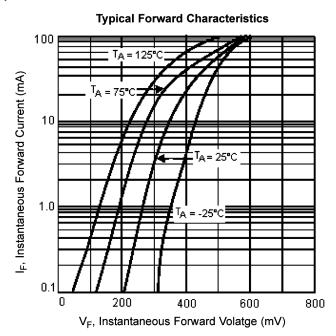


Schottky Diode SOD323-F

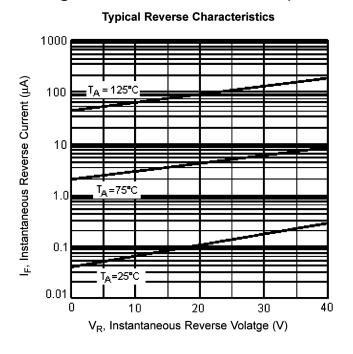


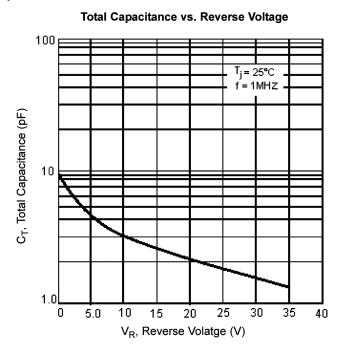
Ratings and Characteristic Curves (BAT42WS)





Ratings and Characteristic Curves (BAT42WS)





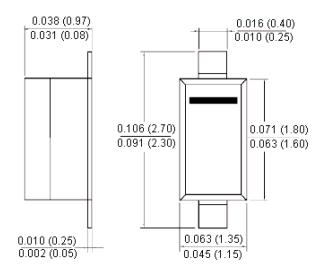
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Schottky Diode SOD323-F



SOD-323F



Dimensions: Inches (Millimetres)

Part Number Table

Description	Part Number	
Diode, Schottky, SOD323-F	BAT42WS	

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