/ Descriptions

SOD-323 ṂṂ Ŀ ⸗ ɡ͡ ǁ ˥

Schottky Diode in a SOD-323 Plastic Package.

/ Features

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Low positive pressure drop, can ignore the reverse recovery time,HF Product.

/ Applications

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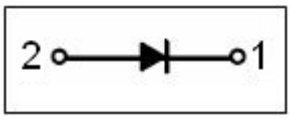
General purpose.

/ Equivalent Circuit



/ Pinning



PIN1:Cathode PIN2:Anode

/ Marking

Model	SD103AWS	SD103BWS	SD103CWS
Marking	HS4	HS5	HS6

/ Absolute Maximum Ratings(Ta=25)

v Ώ Parameter	ϟ N Symbol	Ώ Ö Rating			D Ϧ Unit
		SD103AWS	SD103BWS	SD103CWS	
Peak Repetitive Reverse Voltage , Working Peak Reverse Voltage DC Reverse Voltage	V_{RRM} V_{RWM} V_R	40	30	20	V
RMS Reverse Voltage	$V_{R\ RMS}$	28	21	14	V
Non-Repetitive Peak Forward Current	I_{FM}	350			mA
Non-Repetitive Peak Forward Surge Current	I_{FSM}	1.5			A
Power Dissipation	P_D	200			mW
Typical Thermal Resistance Junction to Ambient	R_{JA}	625			/W
Junction and Storage Temperature Range	T_J,T_{stg}	-65 125			

/ Electrical Characteristics(Ta=25)

v Ώ Parameter		ϟ N Symbol	⊥⊥ ؛ ϟ Ţ Test Conditions	Ώ Ö Rating			D Ϧ Unit
				ώ ṇ Ö Min	ε ʒ Ö Typ	ώ ᶻ Ö Max	
Reverse Breakdown Voltage		$V_{(BR)}$	I_R=10uA	VR			V
Forward Voltage Drop		V_{FM}	I_F=20mA			0.37	V
			I_F=200mA			0.6	
Instantaneous Reverse Current	SD103AWS	I_{RM}	V_R=30V			5.0	uA
	SD103BWS		V_R=20V				
	SD103CWS		V_R=10V				
Reverse Recovery Time		t_{rr}	I_F=I_R=200mA I_{rr}=0.1×I_R R_L=100		10		ns
Total Capacitance		C_T	V_R=0V f=1.0MHZ		50		pF

SD103AWS/BWS/CWS

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