

5 é / Descriptions

SOD-323 .> // x RK Ô Â 8 â 'ož
Schottky Diode in a SOD-323 Plastic Package.

α^a / Features

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Low positive pressure drop, can ignore the reverse recovery time, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

Đ ÷ / Applications

RK Ô Â 8 â ' k á V ñ • } Lož
Schottky diode, Meet the stringent requirements of automotive applications.

Ã W] Ô • / Equivalent Circuit

• Ů - æ / Pinning

PIN1:Cathode PIN2:Anode

, M V / Marking

Model	BRSD103AWSQ	BRSD103BWSQ	BRSD103CWSQ
Marking	QS4	QS5	QS6

@ f Parameter	... Z Symbol	f › Rating			% y Unit
		BRSD103AWSQ	BRSD103BWSQ	BRSD103CWSQ	
Peak Repetitive Reverse Voltage , Working Peak Reverse Voltage DC Reverse Voltage	V _{RRM} V _{RWME} V _R	40	30	20	V
RMS Reverse Voltage	V _{RRMSA}	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			

@ f Parameter	... Z Symbol	y j Ú ^ Test Conditions	f › Rating			% y Unit
			Â 4 › Min	Á ° › Typ	Â Ý › Max	
Reverse Breakdown Voltage	V _(BR)	I _R =10uA	V _R			V
Forward Voltage Drop	V _{FM}	I _F =20mA			0.37	V

Ô ? d • Ž ¢ / Electrical Characteristic Curve

Ø □ =) ϕ / Package Dimensions

, M y f / Marking Instructions

QS4

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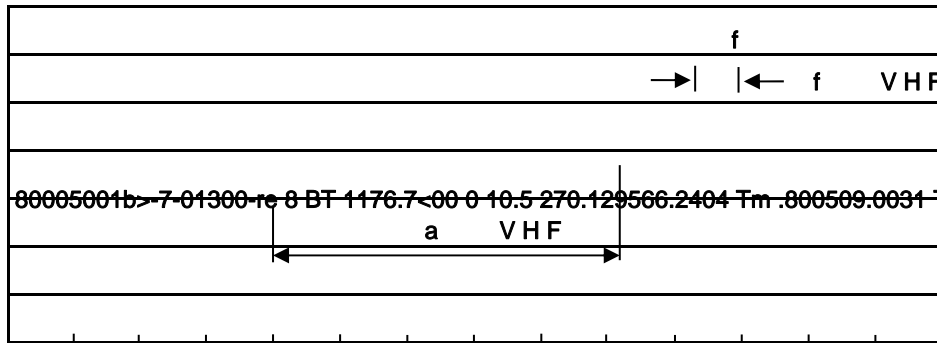
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Note:

Q: Automobile halogen-free product Code

S4: Product Type

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7LPH VHF

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Note:

- 1. Preheating: 150~200 - , Time: 60~120sec.
- 2. Peak Temp.: 255 r5 - , Duration: 5 r0.5sec.
- 3. Cooling Speed: 2~10 - /sec.

Resistance to Soldering Heat Test Conditions

Temp.: 260 r5 - Time: 10 r1 sec

GP á / Packaging SPEC.

2 & x / REEL

Package Type	Units ;>ú !H					Dimension ;>ú p . (unit /Emm ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
SOD-323	3,000	10	30,000	6	180,000	7 s x8	180x120x180	390x385x205

„Đ y f / Notices