

5 é / Descriptions

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

▣^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 _{RWM E} V _R	40	30	20	V
RMS Reverse Voltage	V _{RA RMS A}	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 i 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 □ =) ¢ / Package Dimensions

, M y f / Marking Instructions

QS4

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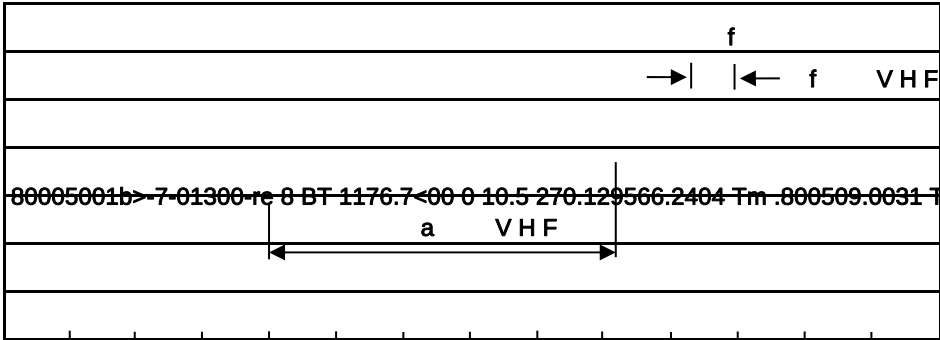
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Note:

Q: Automobile halogen-free product Code

S4: Product Type

šWD t...•Žč (x/) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6



7 L P H V H F

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Note:

- 10• Ä ½ “ † 150 ½200 - k ž • 60 ½120sec; 1.Preheating:150~200 - , Time:60~120sec.
- 20• Q > “ † 255 r5 - k ž • 4 Ò 5 r0.5sec; 2.Peak Temp.:255 r5 - , Duration:5 r0.5sec.
- 30•D N ò i Ò 0 , † 2 ½10 - /sec. 3. Cooling Speed: 2~10 - /sec.

ÂD /Cã p ¯ »] / Resistance to Soldering Heat Test Conditions

“ † y 260 r5 - ž • y 10 r1 sec. Temp.:260 r5 - Time:10 r1 sec

G P á / Packaging SPEC.

2 & x / REEL

Package Type 7>û ~ E	Units ;>û ;H					Dimension ;>û p . (unit /mm³)		
	Units/Reel / --	Reels/Inner Box -- /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Reel	Inner Box	Outer Boxç
SOD-323	3,000	10	30,000	6	180,000	7 s ×8	180×120×180	390×385×205

„ Ð y f / Notices