

/ Descriptions

SOD-323
Silicon Diode in a SOD-323 Plastic Package.

/ Features

AEC-Q101
Fast switching diodes, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

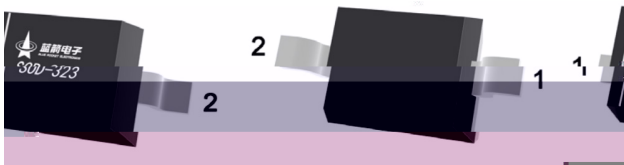
/ Applications

Small signal diode, Meet the stringent requirements of automotive applications.

/ Equivalent Circuit



/ Pinning



PIN1:Cathode PIN2:Anode

/ Marking

Model	BRBAV19WSQ	BRBAV20WSQ	BRBAV21WSQ
Marking	QA8	QT2	QT3

BRBAV19WSQ-BRBAV21WSQ

Rev.B Aug.-2025

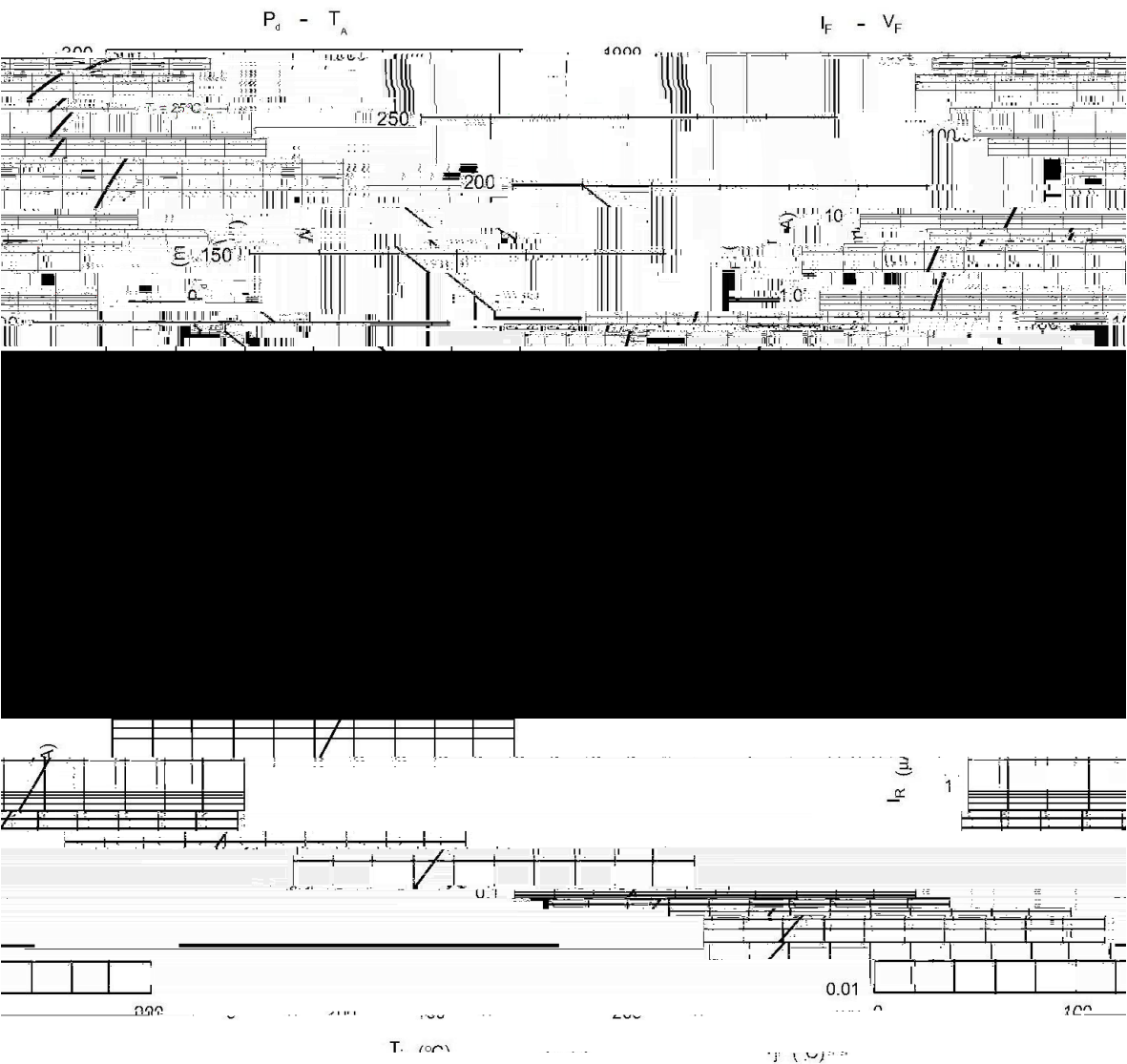


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Parameter	Symbol	Rating			Unit
		BRBAV19WSQ	BRBAV20WSQ	BRBAV21WSQ	
Peak Repetitive Reverse Voltage	V_{RRM}	120	200	250	V
Working Peak Reverse Voltage, DC Reverse Voltage	V_{RWM} V_R	100	150	200	V
RMS Reverse Voltage	$V_{R\ RMS}$	71	106	141	V
Non-Repetitive Peak Forward Current	I_{FM}	400			m A
Output Current	I_O	200			m A
Non-Repetitive Peak Forward Surge Current	I_{FSM}	t=1.0			

/ Electrical Characteristic Curve



BRBAV19WSQ-BRBAV21WSQ

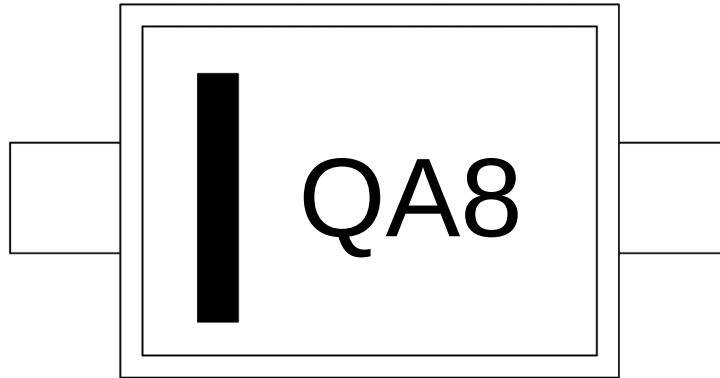
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/ Marking Instructions



Q

A8

Note:

Q: Automobile halogen-free product Code

A8: Product Type

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