

# BRBAT54WAQ/AWAQ/CWAQ/SWAQ

Rev.A May.-2023

## / Descriptions

SOT-323

Silicon Diode in a SOT-323 Plastic Package.

## / Features

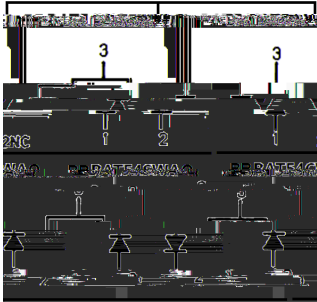
AEC-Q101

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

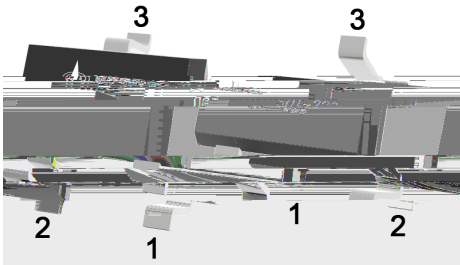
## / Applications

High Conductance Ultra Fast Diode, Meet the stringent requirements of automotive applications.

## / Equivalent Circuit



## / Pinning



PIN: See Equivalent Circuit.

## / Marking

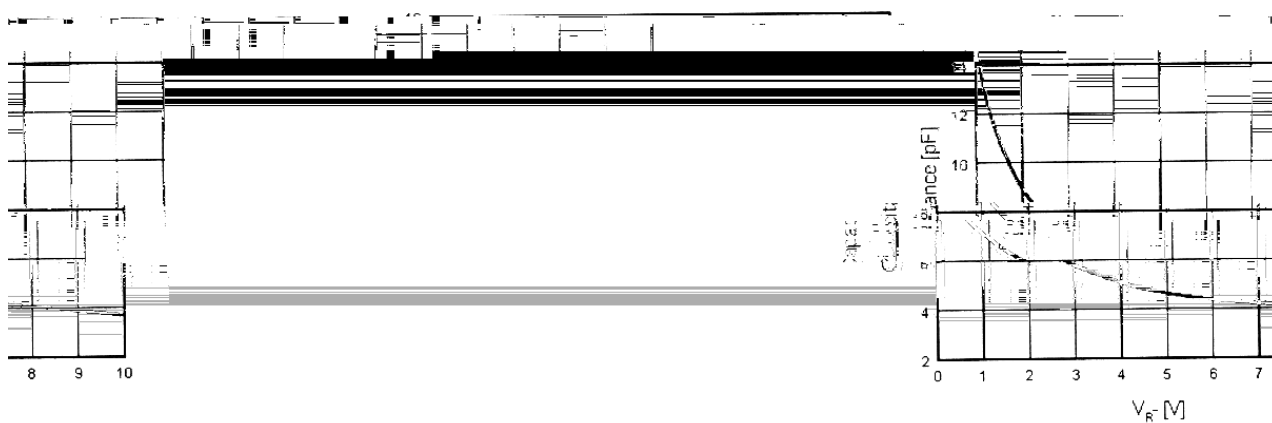
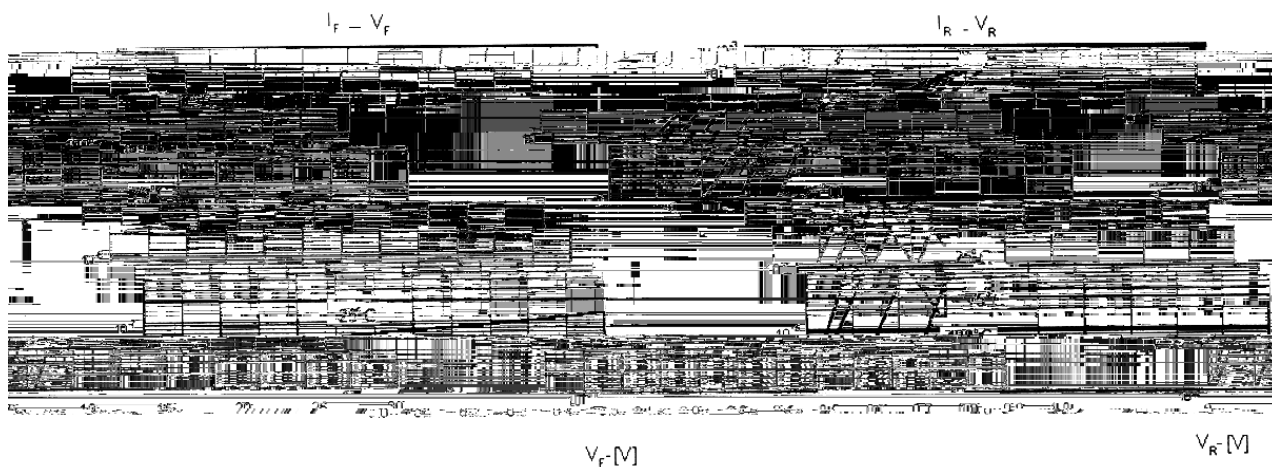
Model	BRBAT54WAQ	BRBAT54AWAQ	BRBAT54CWAQ	BRBAT54SWAQ
Marking	QL4P	QL42	QL43	QL44

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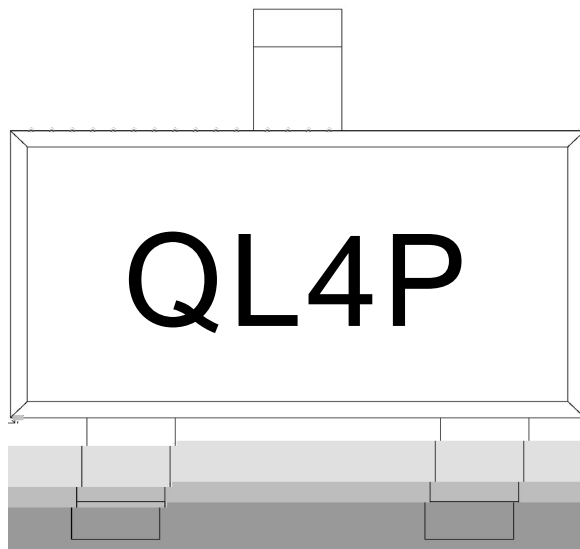
Parameter	Symbol	Rating	Unit
Repetitive Reverse Voltage	$V_{RRM}$	30	V
Average Rectified Forward Current	$I_{F(AV)}$	300	mA
Non-repetitive Peak Forward Surge Current	$I_{FSM}$	1	A
Power Dissipation	$P_{tot}$	230	mW

/ Electrical Characteristic Curve





/ Marking Instructions



Q

L4P

Note:

Q: Automobile halogen-free product Code

L4P: Product Type

( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)
