

BRBAT54WAQ/AWAQ/CWAQ/SWAQ

Rev.A May.-2023

/ Descriptions

SOT-323

Silicon Diode in a SOT-323 Plastic Package.

/ Features

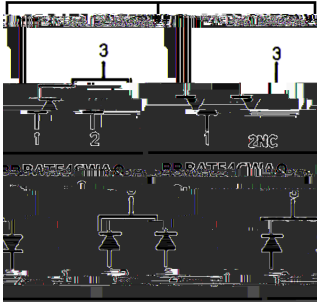
AEC-Q101

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

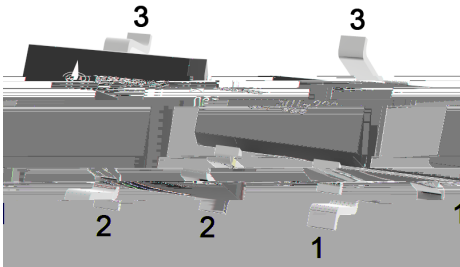
/ Applications

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

/ Equivalent Circuit



/ Pinning



PIN: See Equivalent Circuit.

/ Marking

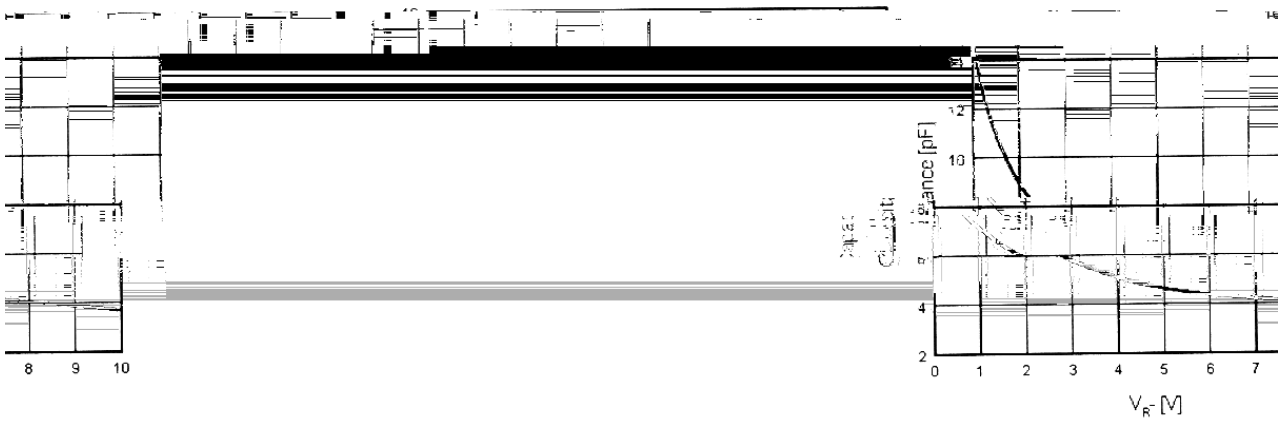
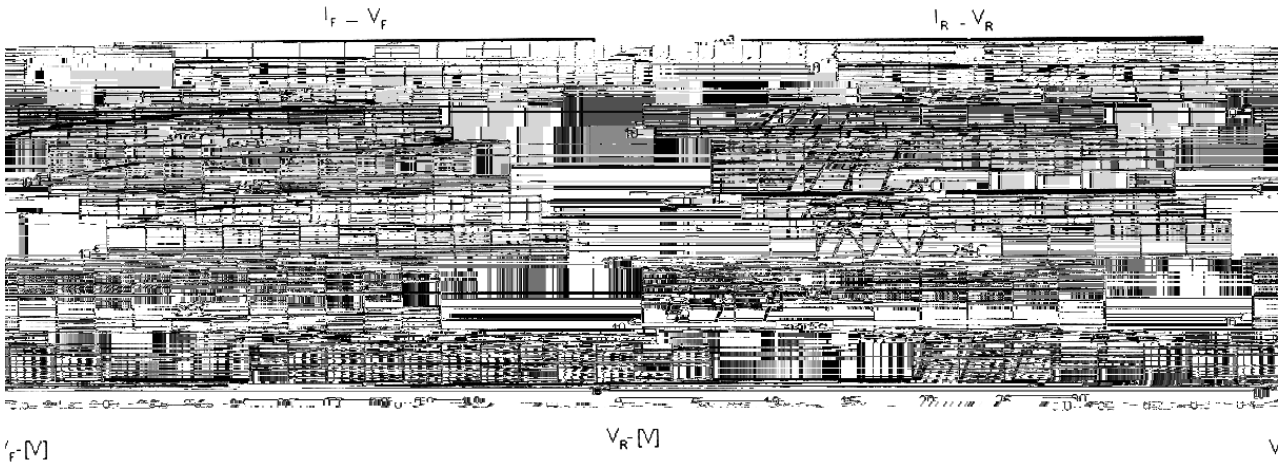
Model	BRBAT54WAQ	BRBAT54AWAQ	BRBAT54CWAQ	BRBAT54SWAQ
Marking	QL4P	QL42	QL43	QL44

BRBAT54WAQ/AWAQ/CWAQ/SWAQ

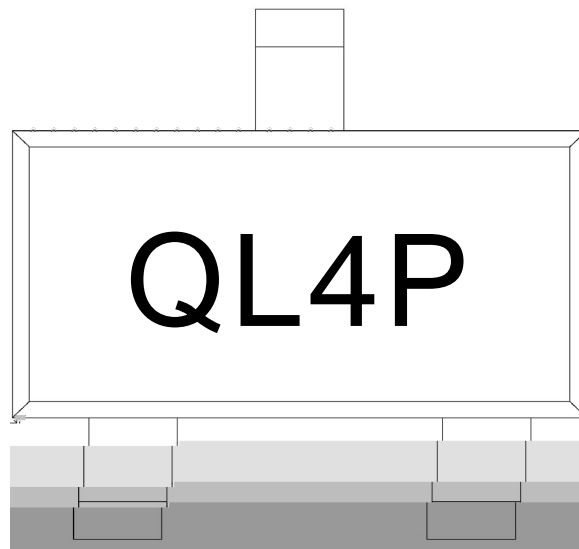
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Parameter	Symbol	Rating	Unit
Repetitive Reverse Voltage	V_{RRM}	30	V
Average Rectified Forward Current	$I_{F(AV)}$	300	mA
Non-repetitive Peak Forward Surge Current	I_{FSM}	1	A
Power Dissipation	P_{tot}	230	mW

/ 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)
