/ Descriptions

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

/ Features

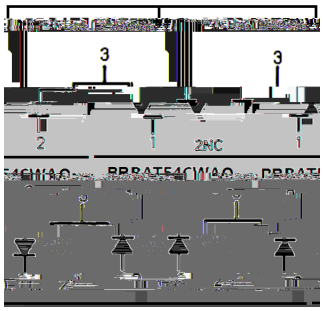
AEC-Q101

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

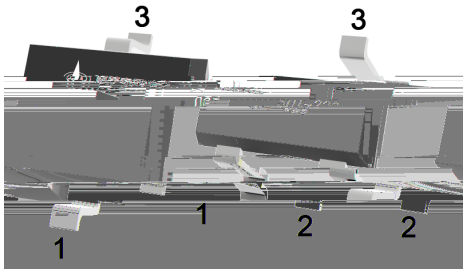
/ Applications

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

/ Equivalent Circuit



/ Pinning



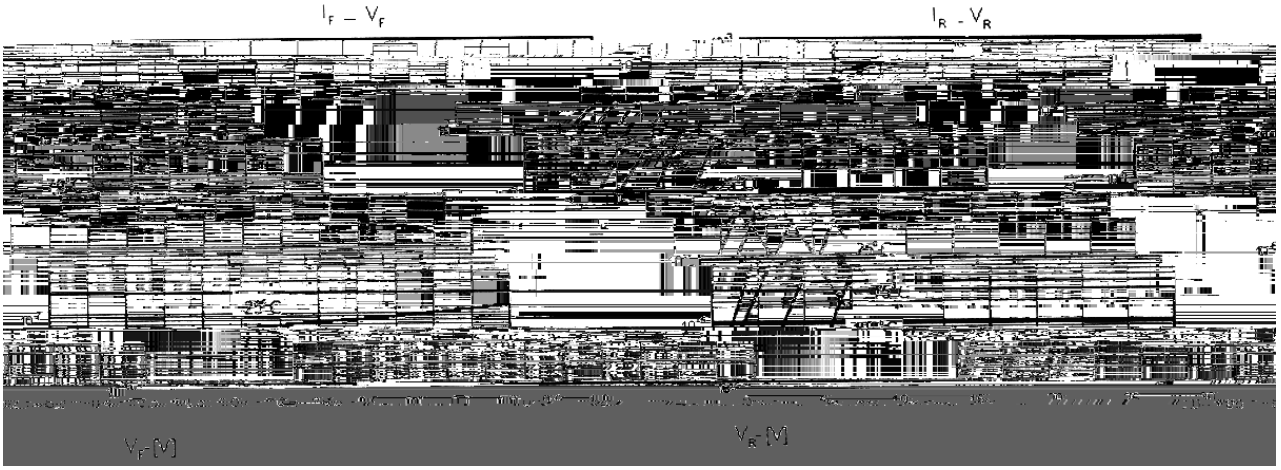
PIN: See Equivalent Circuit.

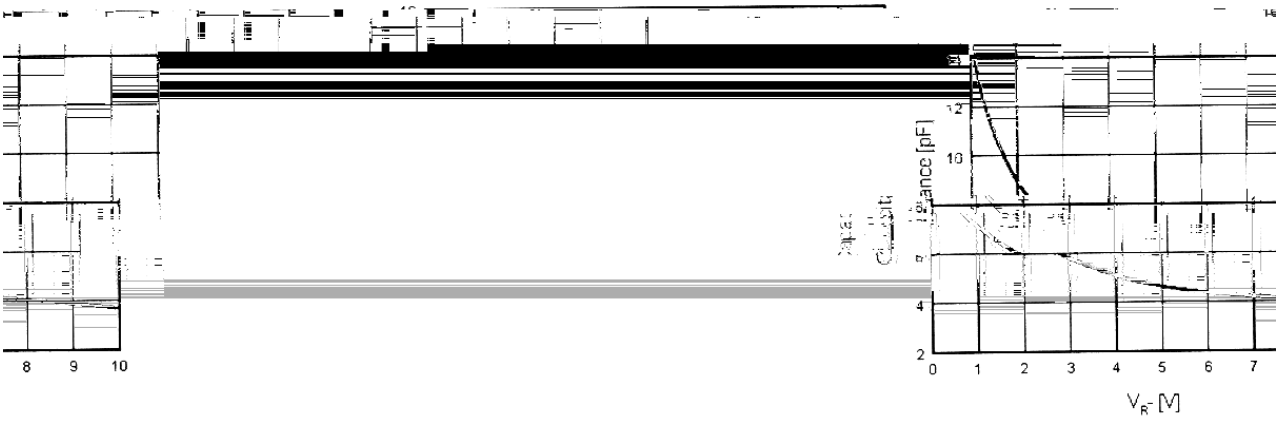
/ Marking

Model	BRBAT54WAQ	BRBAT54AWAQ	BRBAT54CWAQ	BRBAT54SWAQ
Marking	QL4P	QL42	QL43	QL44

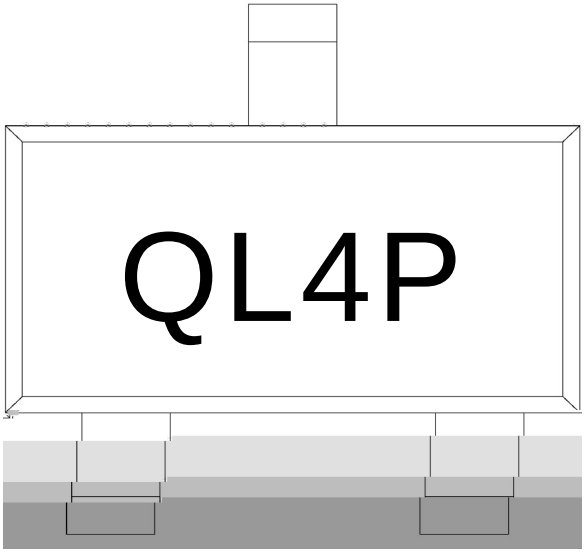
Parameter	Symbol	Rating	Unit
Repetitive Reverse Voltage	V_{RRM}	30	V
Average Rectified Forward Current	$I_{F(AV)}$	300	mA
Non-repetitive Peak Forward Surge Current	I_{FSM}	1	A
Power Dissipation	P_{tot}	230	mW

/ 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)