



## / Descriptions

SOT-23

Silicon Diode in a SOT-23 Plastic Package.

## / Features

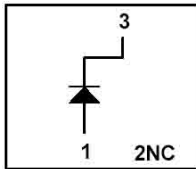
AEC-Q101

Small signal diode, 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

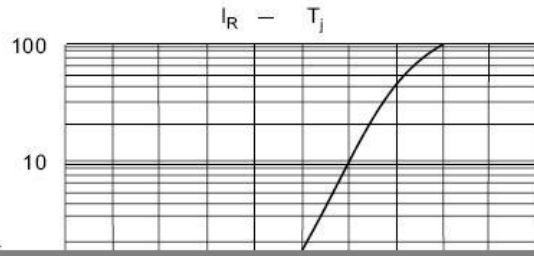
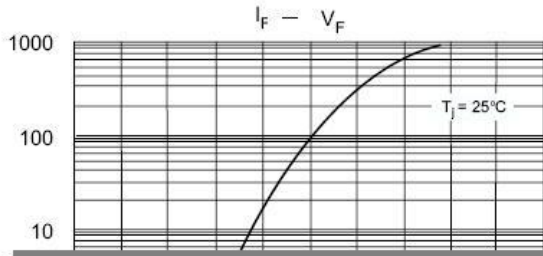
Type	BRBAS19Q	BRBAS20Q	BRBAS21Q
Marking	QT1	QT2	T3Q

# BRBAS19Q~BRBAS21Q

Rev.A Apr.-2022

Parameter	Symbol	Rating			Unit
		BRBAS19Q	BRBAS20Q	BRBAS21Q	
Repetitive Reverse Voltage	$V_{RRM}$	120	200		

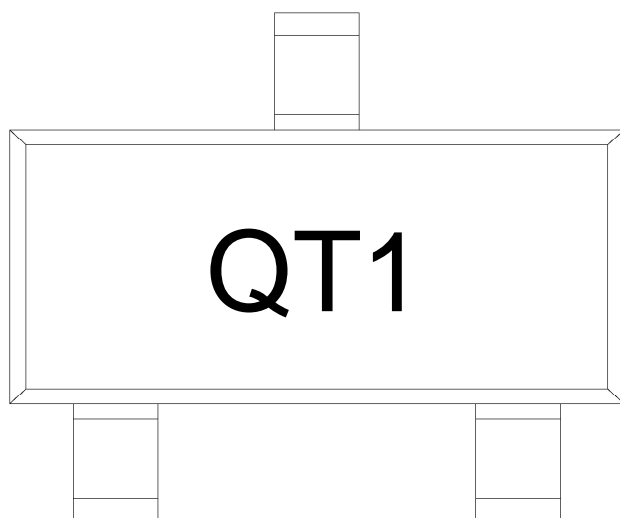
/ Electrical Characteristic Curve



# **BRBAS19Q~BRBAS21Q**

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/ Marking Instructions



Q

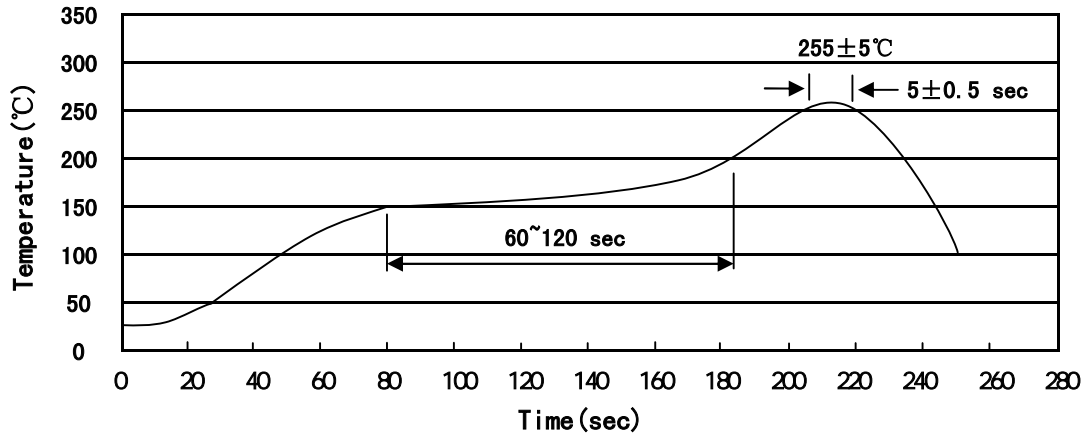
T1

Note:

Q: Automobile halogen-free product Code

T1: Product Type

( ) /



Note:

- 1            150 200            60 120sec;    1.Preheating:150~200°C, Time:60~120sec.
- 2            255±5                    5±0.5sec;    2.Peak Temp.:255±5°C, Duration:5±0.5sec.
- 3                            2 10°C/sec.            3. Cooling Speed: 2~10°C/sec.

/ Resistance to Soldering Heat Test Conditions

260±5°C                    10±1 sec.                    Temp.:260±5°C                    Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm <sup>3</sup> )		
	只卷盘	卷盘盒	只盒	盒箱	只箱	盒		箱
						"		

/ Notices