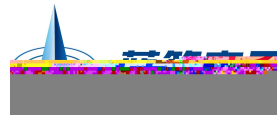




G	2020-7-28	1			
A	2021-12-2 5	all	BR Q AEC-Q101 H Q 245±5°C 5±0.5sec 255±5°C 5±0.5sec		



SOT-23

Silicon Diode in a SOT-23 Plastic Package.

AEC-Q101

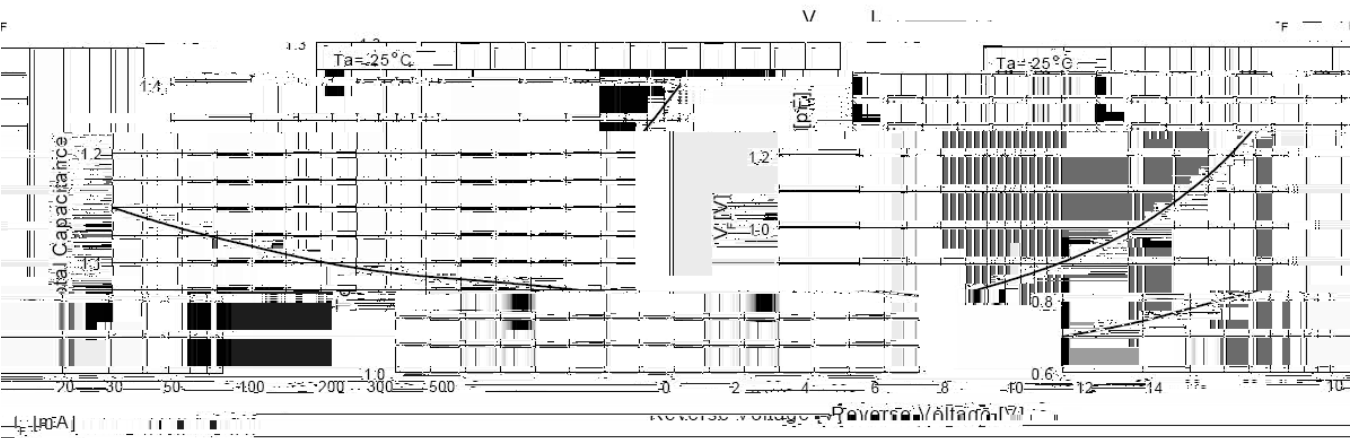
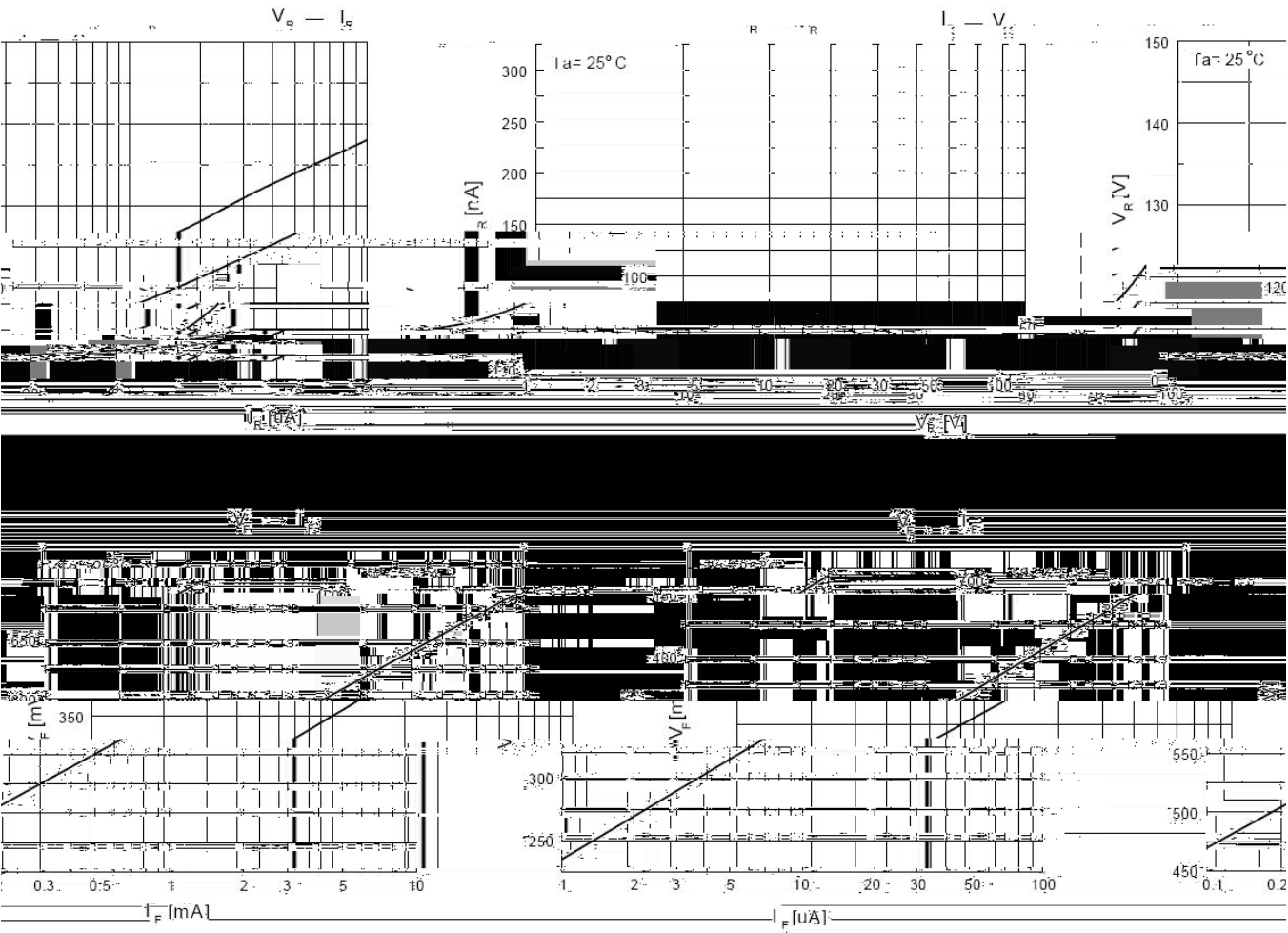
Small signal diode, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

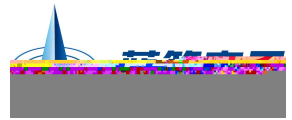
High Conductance Ultra Fast Diode, Meet the stringent requirements of automotive applications.

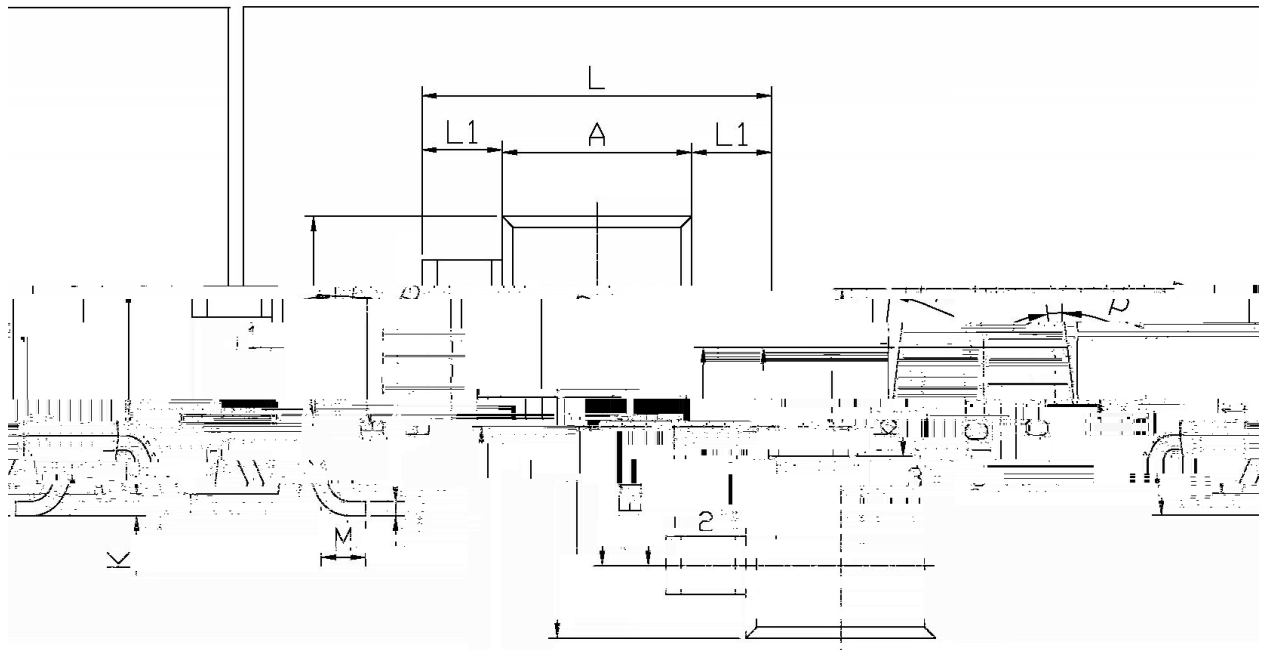
\$C



参数 Parameter	符号 Symbol	数值 Rating	单位 Unit
Maximum Repetitive Reverse Voltage	V_{RRM}	70	V
Average Rectified Forward Current	$I_{F(AV)}$	200	mA
Non-repetitive Peak Forward Surge Current	$I_{FSM(1)}(\text{pulse width}=1.0S)$	1.0	A
	$I_{FSM(2)}(\text{pulse width}=1.0mS)$	2.0	A

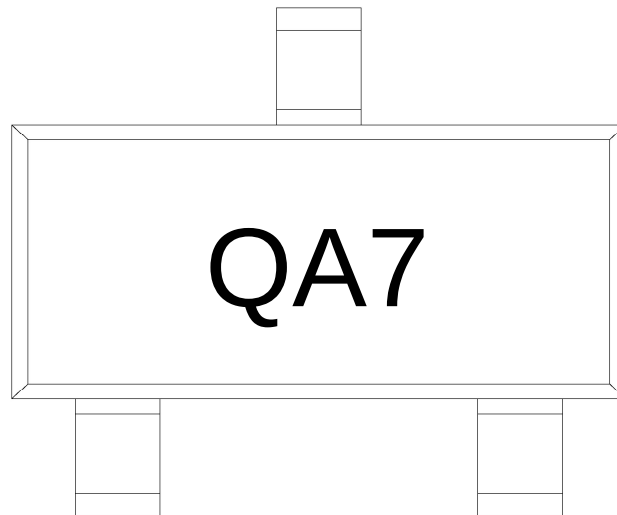






Technical drawing of a mechanical part with dimensions in millimeters. The drawing shows a cross-section of a part with various features labeled with letters and numbers. Dimensions are given in millimeters. A table at the bottom right lists dimensions in millimeters.

Dimensions in Millimeters		Dimensions in Millimeters	
Symbol	Value	Symbol	Value
L	2.2	C	1.30
A	1.15	P	1.05
B	2.70	b	0.35
D	1.10		
E	0.85		
F	0.65		
G	0.90		
H	0.20		
I	0.05		
J	0.10		
K	0.20		
L	0.20		
M	0.20		
N	0.20		
O	0.20		
P	0.20		
Q	0.20		
R	0.20		
S	0.20		
T	0.20		
U	0.20		
V	0.20		
W	0.20		
X	0.20		
Y	0.20		
Z	0.20		



说明：

Q： 为汽车无卤产品标识

A7： 为型号代码

Note:

Q: Automobile halogen-free product Code

A7: Product Type Code

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

Note:

- | | | | | | |
|---|-------|-----|----|-----------|---|
| 1 | 150 | 200 | 60 | 120sec; | 1.Preheating:150~200°C, Time:60~120sec. |
| 2 | 255±5 | | | 5±0.5sec; | 2.Peak Temp.± |