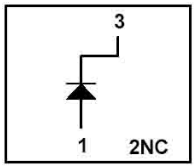
SOT-23 Silicon Diode in a SOT-23 Plastic Package.

AEC-Q101

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

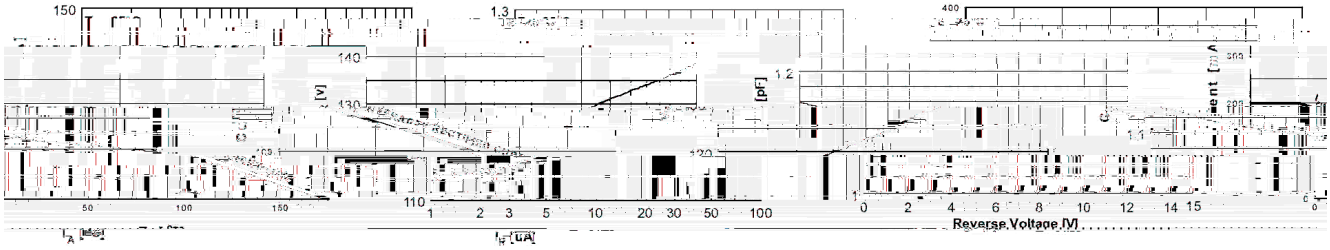
High Conductance Ultra Fast Diode, Meet the stringent requirements of automotive applications.

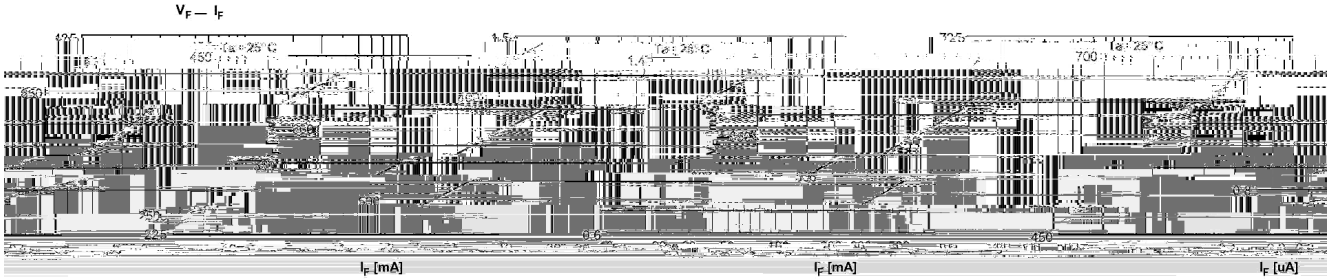


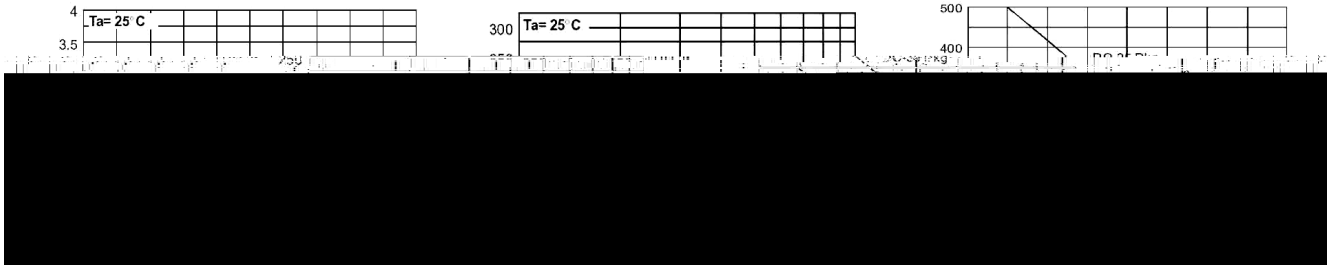


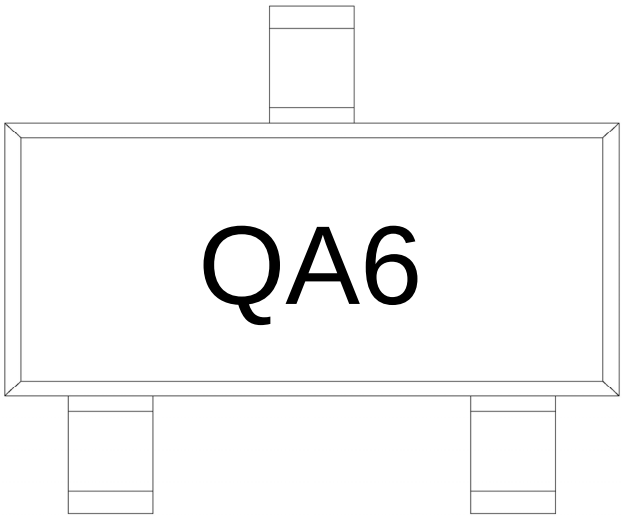
PIN: See Equivalent Circuit.

Marking	QA6


150
140
130
120
110
[V]
[pF]
1.3
1.2
1.1
400
300
200
100
0
50
100
150
1
2
3
5
10
20
30
50
100
0
2
4
6
8
10
12
14
15
Reverse Voltage [V]


V_F — I_F
Ta= 25°C
450
22
0.6
725
700
450
I_F [mA]
I_F [mA]
I_F [uA]


4
3.5
Ta= 25°C
300
Ta= 25°C
500
400



Q

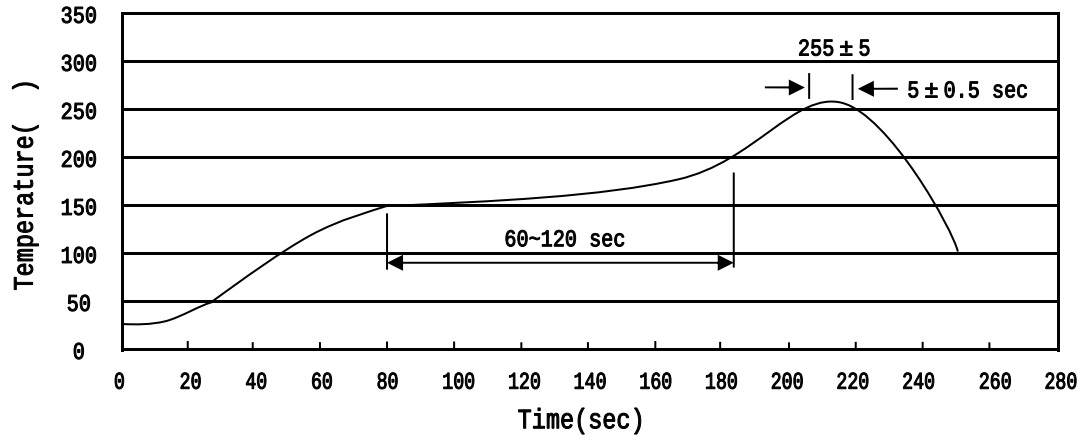
A6

Note:

Q: Automobile halogen-free product Code

A6: Product Type

Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

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

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

/ REEL

Package Type	Units					Dimension		(unit mm³)
						ρ		