

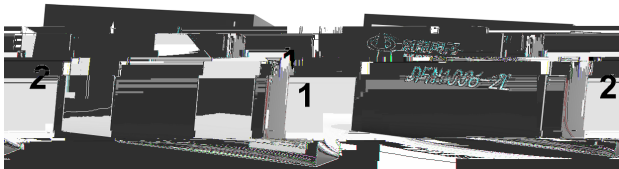
Rev.B Jul.-2023

DFN1006-2L

DFN1006-2L Plastic Package Schottky Barrier Rectifiers.

Ultra small package, Low positive pressure drop, can ignore the reverse recovery time, HF Product.

General purpose.



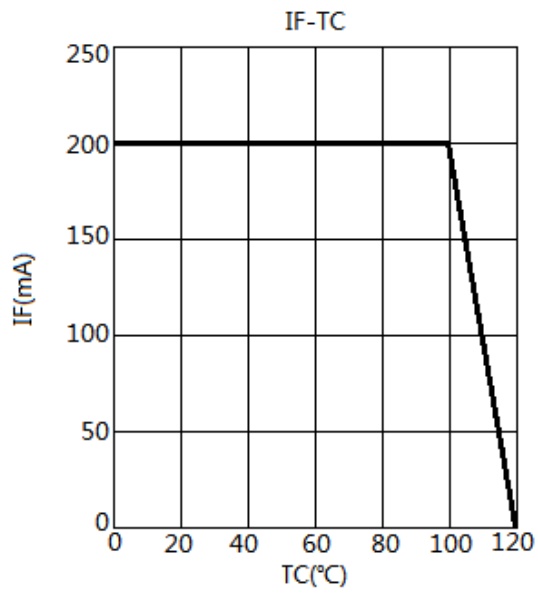
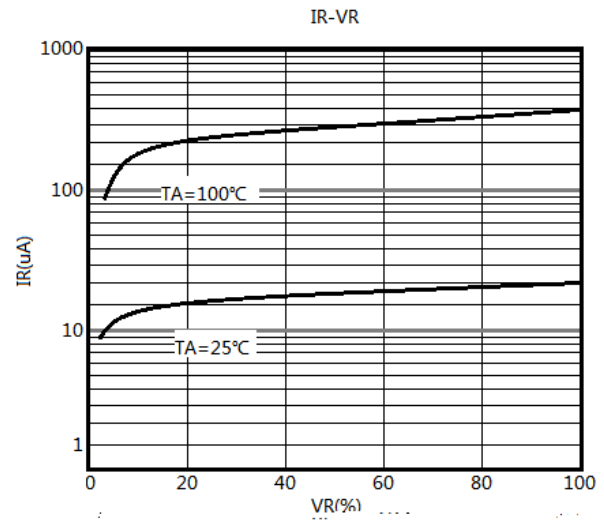
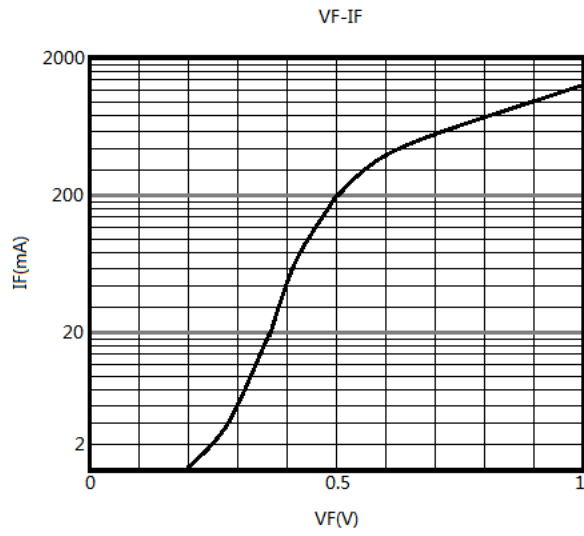
PIN1:Anode

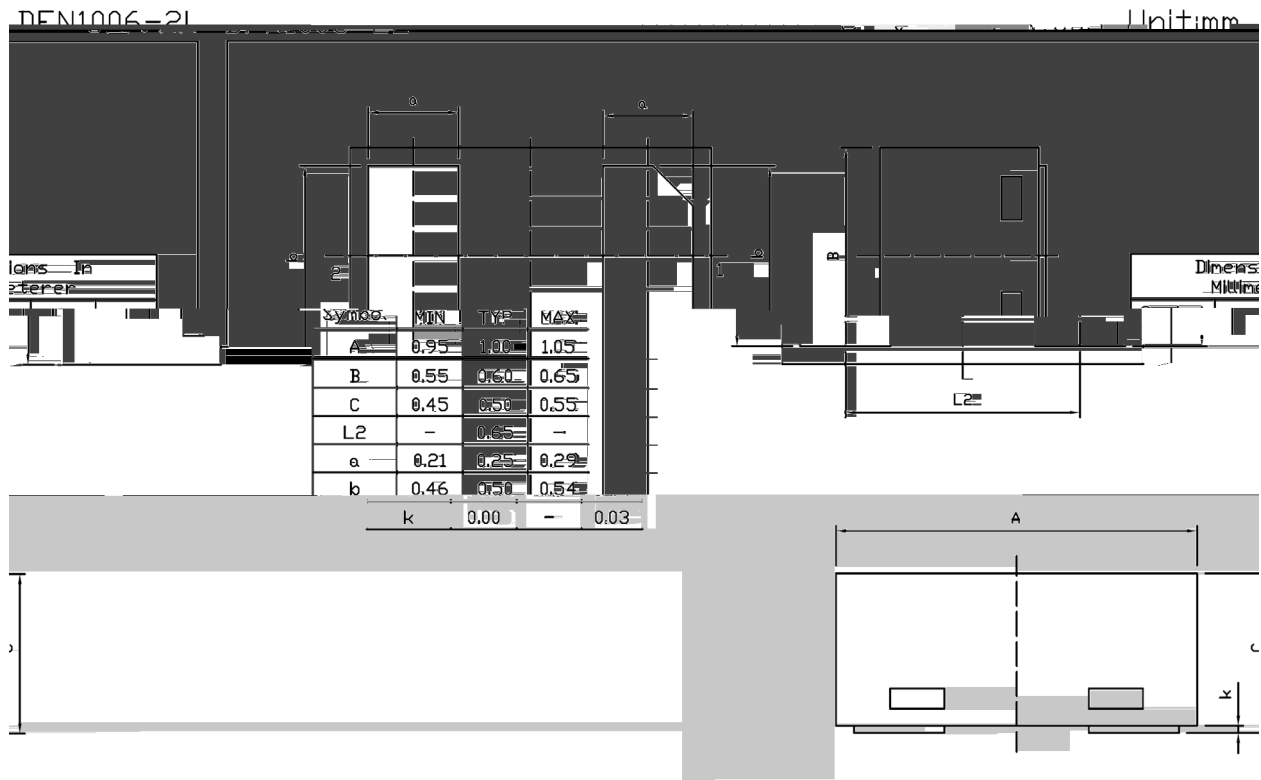
PIN2:Cathode

See Marking Instructions.

Parameter	Symbol	Rating	Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	30	V
Maximum RMS voltage	V_{RMS}	21	V
Maximum DC Blocking Voltage	V_{DC}	30	V
Maximum Average Forward Rectified Current $T_c=100^{\circ}\text{C}$	$I_F (AV)$	0.2	A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	1	A
Operating and Storage Temperature Range	T_J, T_{stg}	-40~+100	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Maximum Instantaneous Forward Voltage	V_F	$I_F=0.2A$			0.5	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	$T_a=25^{\circ}\text{C}$			30	μA
		$T_a=100^{\circ}\text{C}$			500	μA



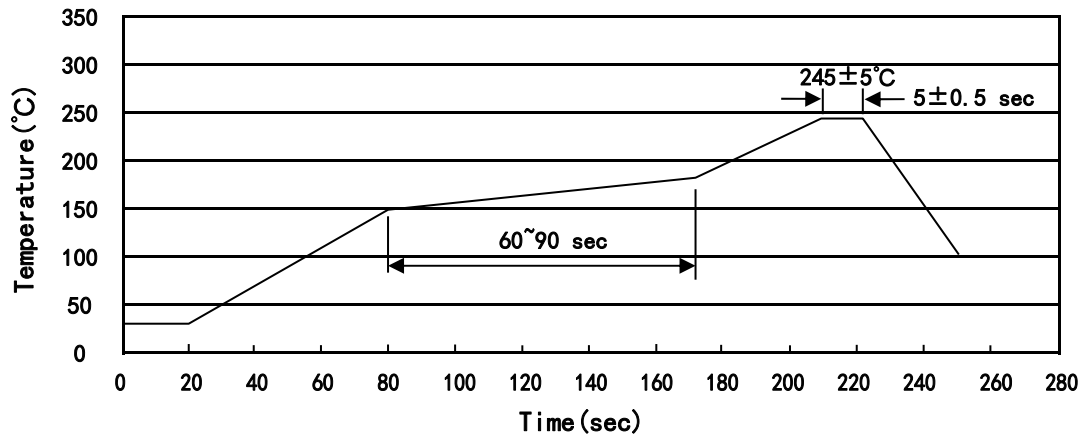




H
SC

Note
H: Company Code
SC Product Type

Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- 1

150 180

60 90sec;

1.Preheating:150~180 , Time:60~90sec.
- 2

245±5

5±0.5sec;

2.Peak Temp.:245±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 mm ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
DFN1006-2L	10,000	10	100,000	6	600,000	7" ×8	180×120×180	390×385×205