

Rev.A Oct.-2025

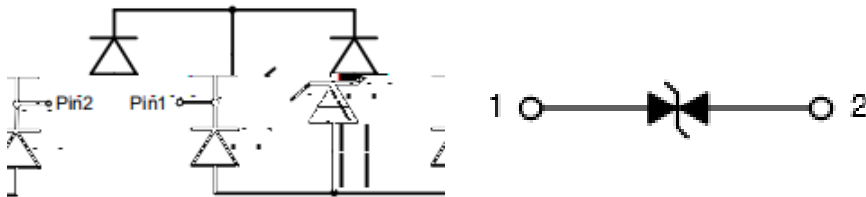
DFN1006-2L ESD
 DFN1006-2L Plastic Package 1-Line,Bi-directional , ESD Protection Diode.

1ns 20KV IEC61000-4-2 4 ESD
 AEC-Q101

Ultra small package, Response Time is Typically < 1 ns, ESD > 20 kV per Human Body Model,IEC61000-4-2 Level 4 ESD Protection, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

MP3

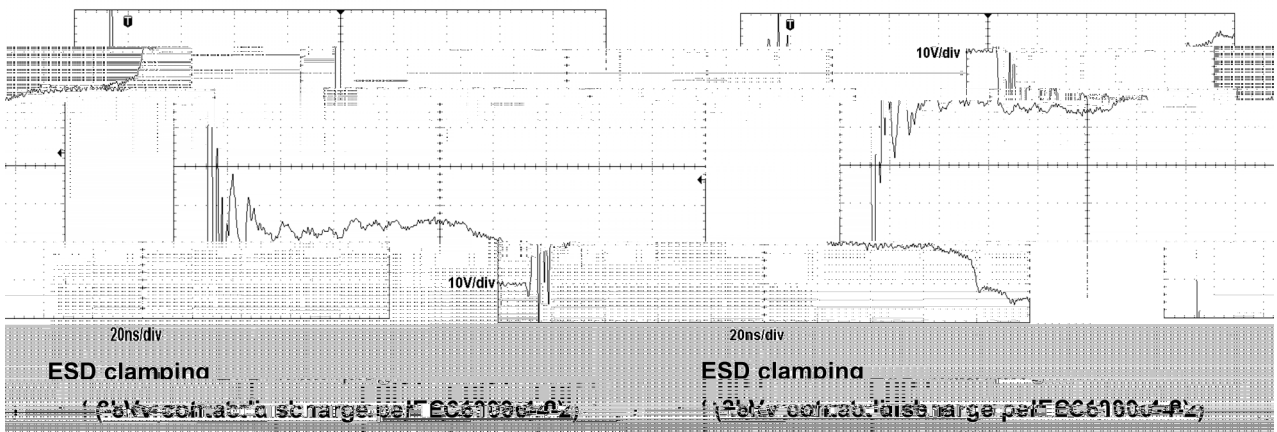
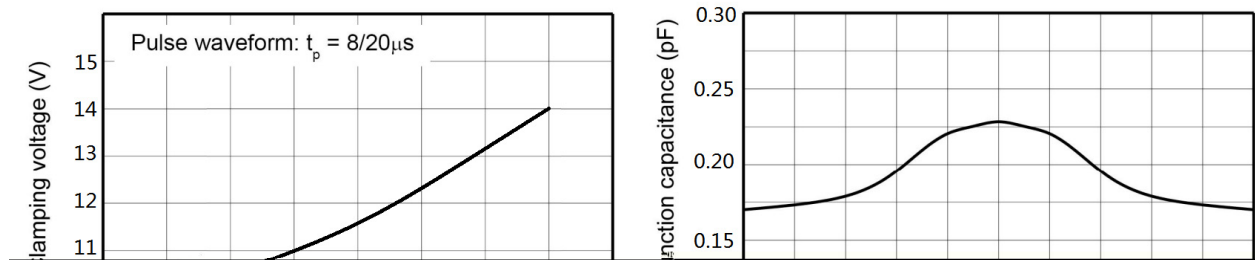
Suitable for cellular phones audio,MP3 players, Digital cameras, Portable devices, mobile telephone and other users, Meet the stringent requirements of automotive applications.



See Marking Instructions.

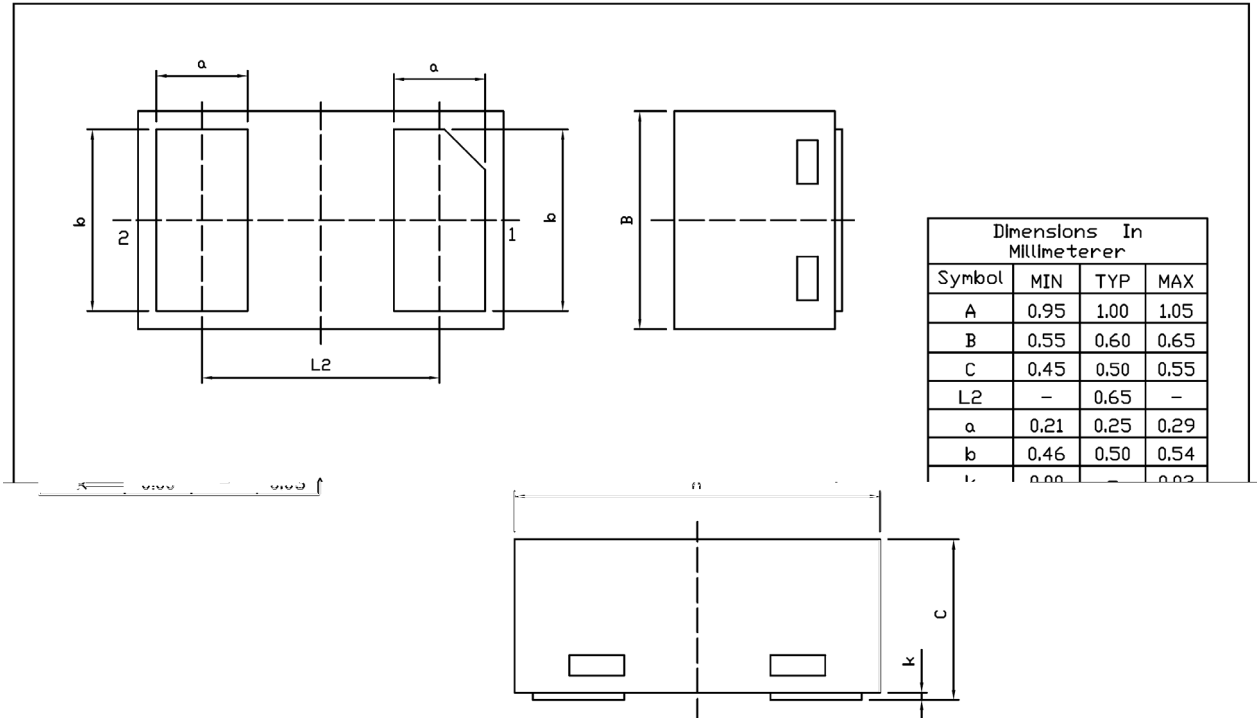
Parameter	Symbol	Rating	Unit
Peak Pulse Power($t_p = 8/20\mu s$)	P_{PK}	56	W
Peak Pulse Current($t_p = 8/20\mu s$)	I_{PP}	4	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	± 20	KV
ESD according to IEC61000-4-2 contact discharge		± 20	
Junction temperature	T_J	125	$^{\circ}C$
Storage Temperature	T_{STG}	-55~+150	$^{\circ}C$

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
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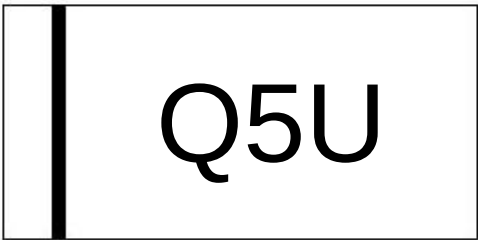


DFN1006-2L

Unit:mm



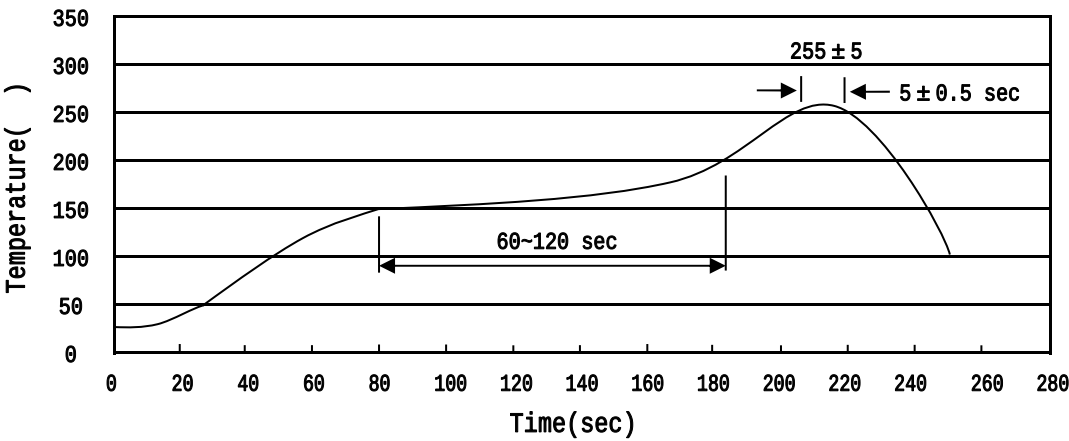
Rev.01 202108



Q
5U

Note	
Q	Automobile halogen-free product Code
5U	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 mm ³)		
DFN1006-2L	10,000	10	100,000	6	600,000	7 ×8	180×120×180	390×385×205