

DFN1006-2L ESD
 DFN1006-2L Plastic Package ESD Protection Diode.

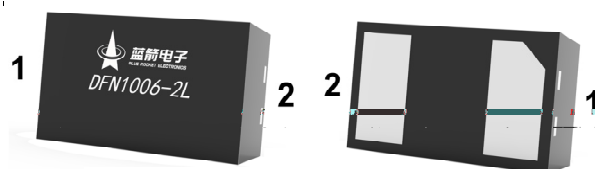
1ns 3 16KV IEC61000-4-2 4

ESD AEC-Q101

Ultra small package, Response Time is Typically < 1 ns, ESD Rating of Class 3 (> 16 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.

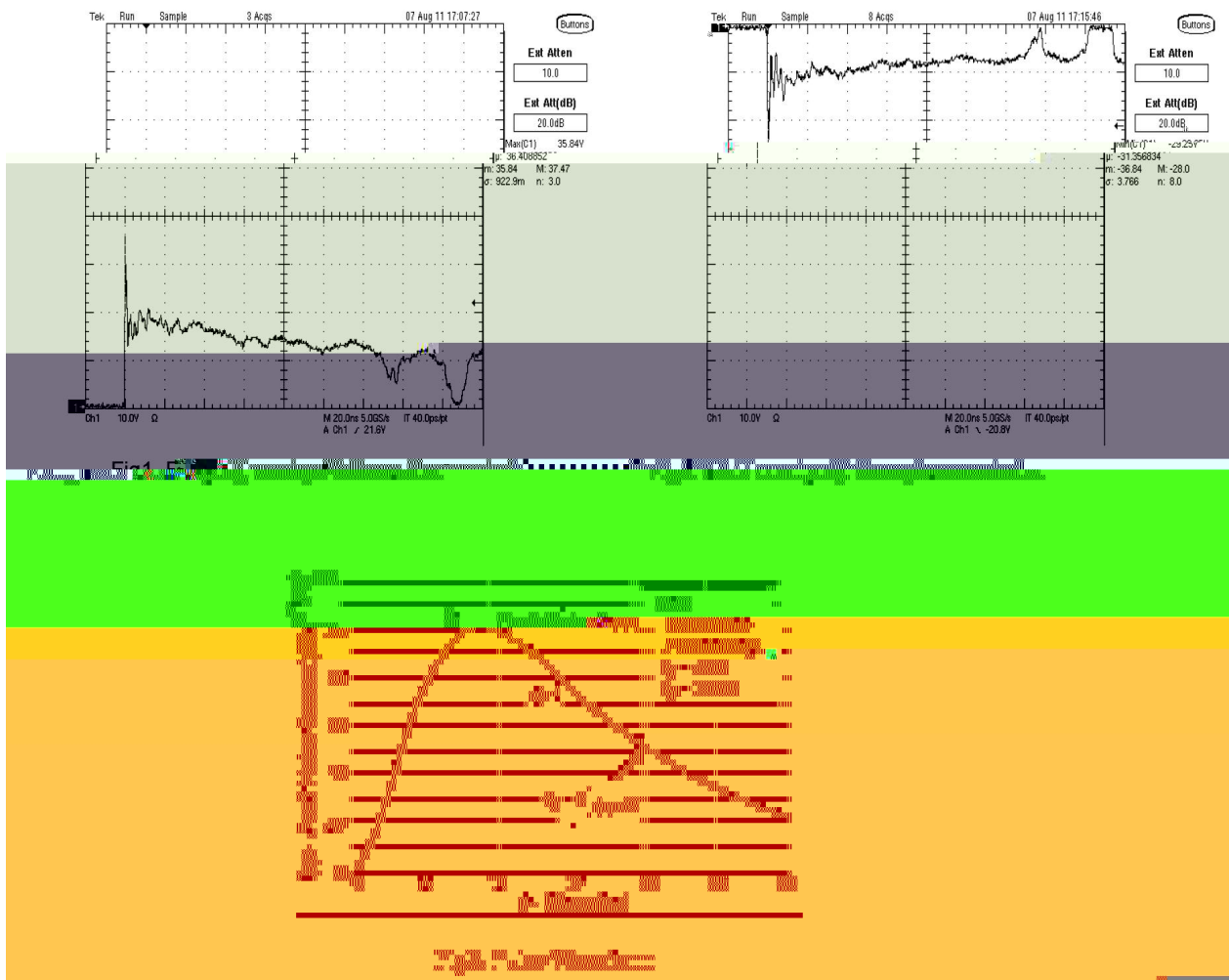
Parameter	Symbol	Rating	Unit
Peak pulse power ($t_p = 8/20\mu s$)	P_K	69	W
Peak pulse current ($t_p = 8/20\mu s$)	I_{PP}	5.5	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	± 15	KV
ESD according to IEC61000-4-2 contact discharge		± 8	
Junction temperature	T_J	150	
Storage temperature	T_{STG}	-55~+150	

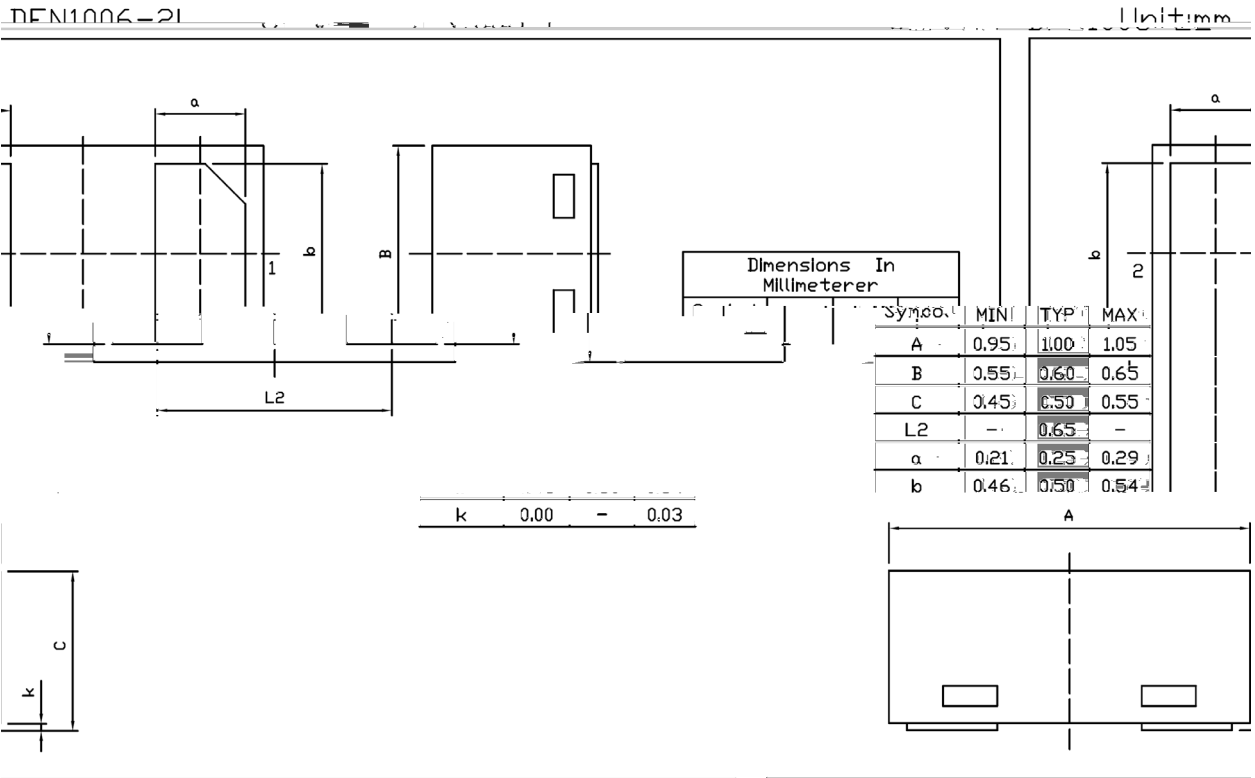
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse maximum working voltage	V_{RWM}				5.0	V
Reverse leakage current	I_R	$V_{RWM} = 5V$			0.5	μA
		$V_{RWM} = 3.5V$			0.3	μA
Reverse breakdown voltage ¹⁾	V_{BR}	$I_T = 1mA$	5.6			V
Clamping voltage ²⁾	V_C	$I_{PP} = 1A \quad t_p = 8/20\mu s$			9.8	V
		$I_{PP} = 5.5A \quad t_p = 8/20\mu s$			12.5	V
Junction capacitance	C_J	$V_R = 0V \quad f = 1MHz$			15	pF

Notes:

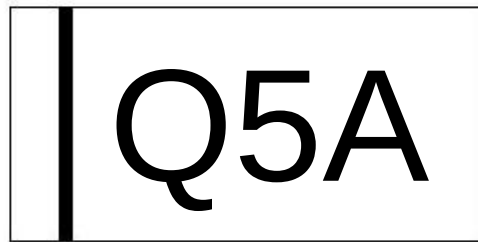
- 1) V_{BR} is measured with a pulse test current I_T at an ambient temperature of 25 °C.
- 2) Non-repetitive current pulse, according to IEC61000-4-5.

Rev.A Sep.-2022





Rev.01 202108



Q
5A

Note

Q: Automobile halogen-free product Code
5A 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