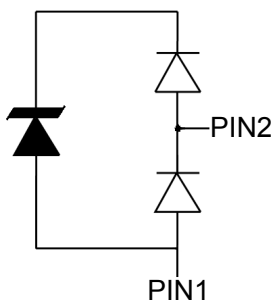


DFN1006-2L Plastic Package 1-Line, Uni-directional , ESD Protection Diode.

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



PIN1 GND PIN2 I/O



See Marking Instructions.

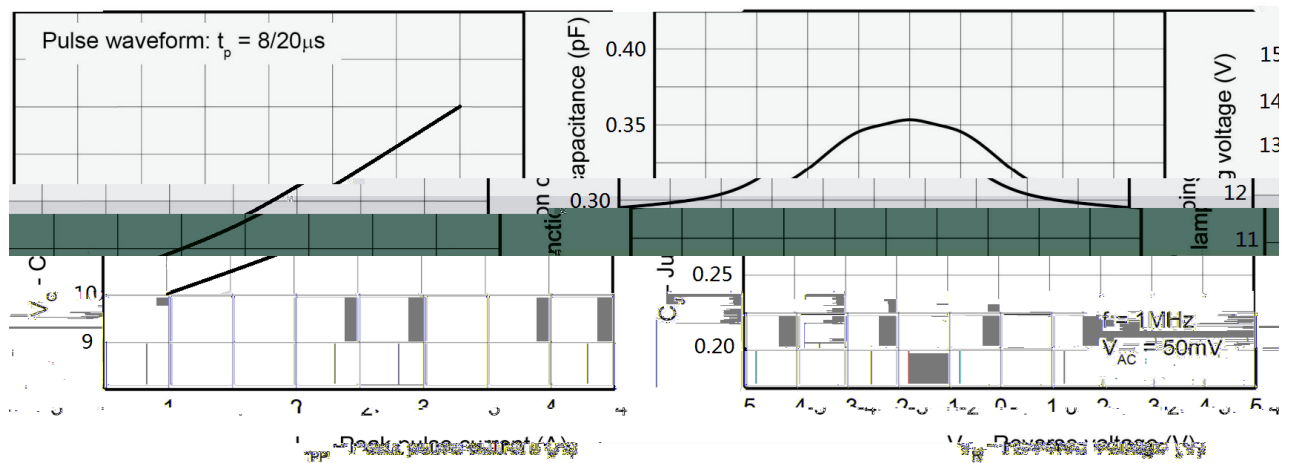
Parameter	Symbol	Rating	Unit
Peak Pulse Power($t_p = 8/20 \text{ s}$)	P_{PK}	56	W
Peak Pulse Current($t_p = 8/20 \text{ s}$)	I_{PP}	4	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	± 20	KV
ESD according to IEC61000-4-2 contact discharge		± 20	
Junction temperature	T_J	125	
Storage Temperature	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	$V_{RWM} = 5.0V$			100	nA
Reverse breakdown voltage ¹⁾	V_{BR}	$I_T = 1mA$	6.0			V
Clamping voltage ²⁾	V_{CL}	$I_{PP} = 1A \quad t_p = 8/20 \text{ s}$			10	V
		$I_{PP} = 4A \quad t_p = 8/20 \text{ s}$			14	V
Junction Capacitance	C_J	$V_R = 0V \quad f = 1MHz$		0.35	0.60	pF

Notes:

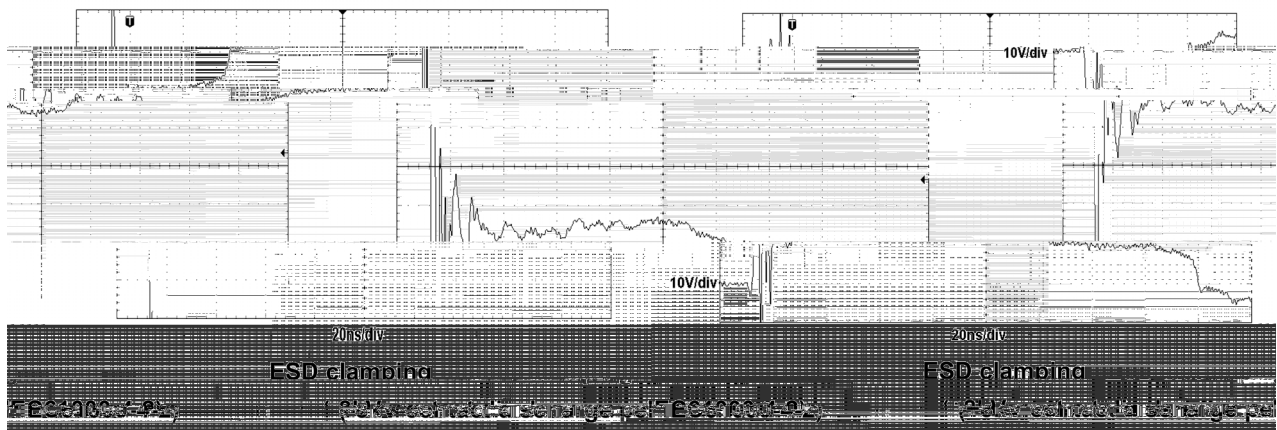
1) V_{BR} is measured with a pulse test current I_T at an ambient temperature of 25 .

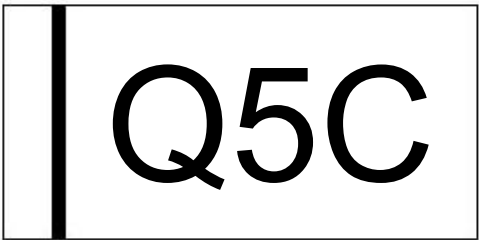
2) Non-repetitive current pulse, according to IEC61000-4-5.



Clamping voltage vs. Peak pulse current

Capacitance vs. Reverse voltage

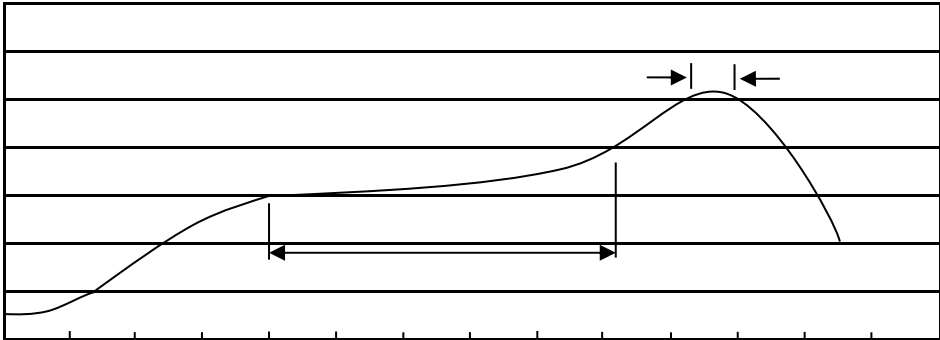




Q

Note

Q	Automobile halogen-free product Code
5C	Product Type



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)		
	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