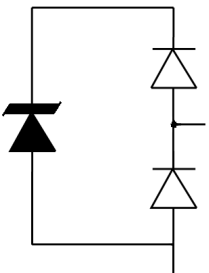


DFN1006-2L Plastic Package 1-Line, Uni-directional , ESD Protection Diode.



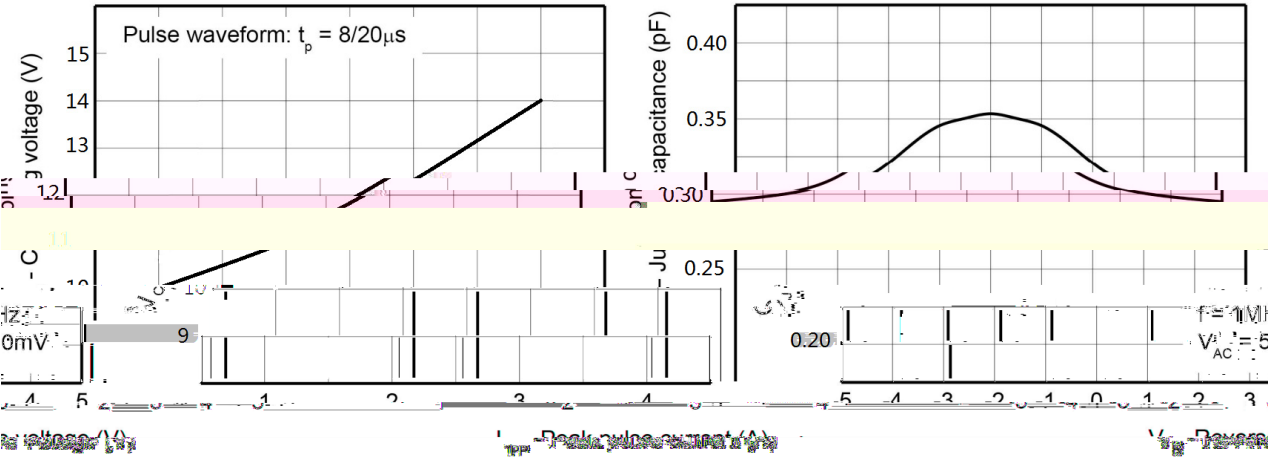
Parameter	Symbol	Rating	Unit
Peak Pulse Power($t_p = 8/20\mu s$)	P_{PK}	56	W
Peak Pulse Current($t_p = 8/20\mu s$)	I_{PP}	4	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	± 20	KV
ESD according to IEC61000-4-2 contact discharge		± 20	
Junction temperature	T_J	125	
Storage Temperature	T_{STG}	-55~+150	

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}	$I_{PP} = 1A \quad t_p = 8/20\mu s$			10	V
		$I_{PP} = 4A \quad t_p = 8/20\mu s$			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 .

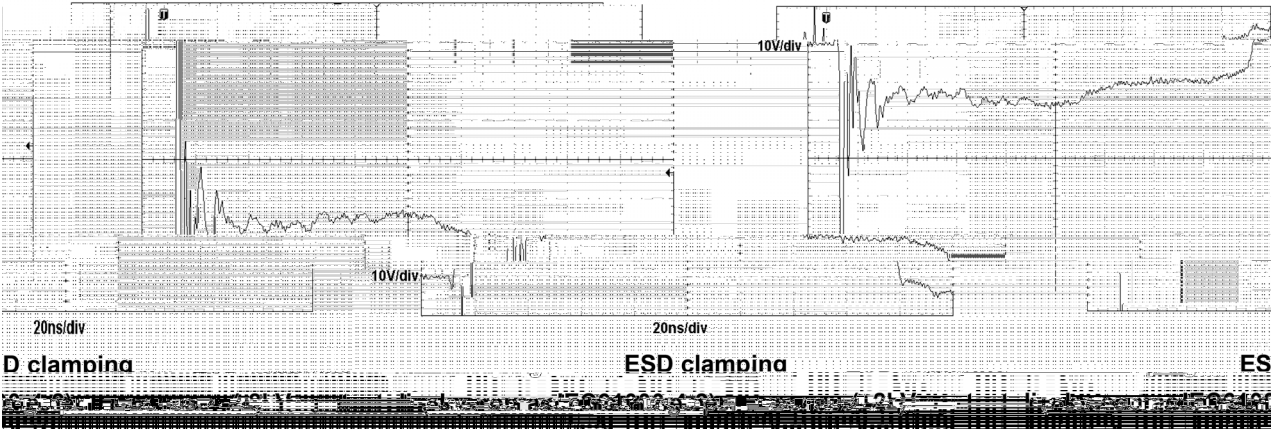
2) Non-repetitive current pulse, according to IEC61000-4-5.



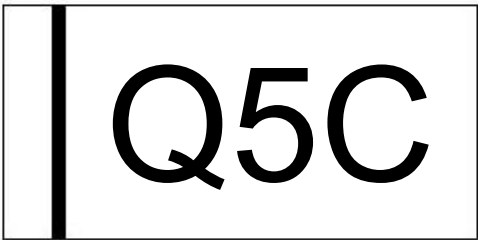
s. Reverse voltage

Clamping voltage vs. Peak pulse current

Capacitance v







Q

Note

Q	Automobile halogen-free product Code
5C	Product Type



Note:

- 115020060120sec;1.Preheating:150~200,Time:60~120sec.
- 22555