

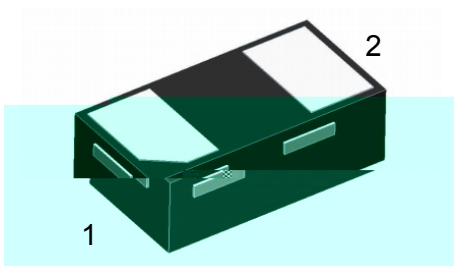
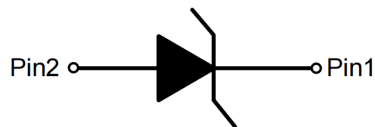
DFN1610-2L ESD
 DFN1610-2L Plastic Package 1-Line,Uni-directional , ESD Protection Diode.

1ns 30KV IEC61000-4-2 4 ESD

Ultra small package, Response Time is Typically < 1 ns, ESD > 30 kV per Human Body Model,IEC61000-4-2 Level 4 ESD Protection,HF Product.

MP3

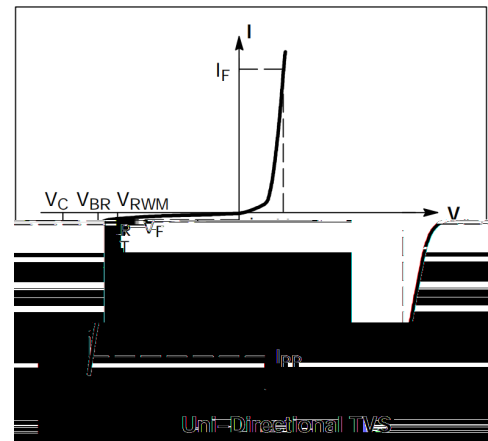
Suitable for cellular phones audio,MP3 players, Digital cameras, Portable devices, mobile telephone and other users.



See Marking Instructions.

Parameter	Symbol	Rating	Unit
Peak Pulse Current($t_p = 8/20\mu s$)	I_{PP}	80	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	± 30	KV
ESD according to IEC61000-4-2 contact discharge		± 30	
Junction temperature	T_J	125	
Storage Temperature	T_{STG}	-55~+150	

Symbol	Parameter
V_{RWM}	Peak Reverse Working Voltage
I_R	Reverse Leakage Current @ V_{RWM}
V_{BR}	Breakdown Voltage @ I_T
V_{CL}	Clamping Voltage @ I_{PP}
P_{PP}	Peak Pulse Power
C_J	Junction Capacitance
I_F	Forward Current
V_F	Forward Voltage @ I_F

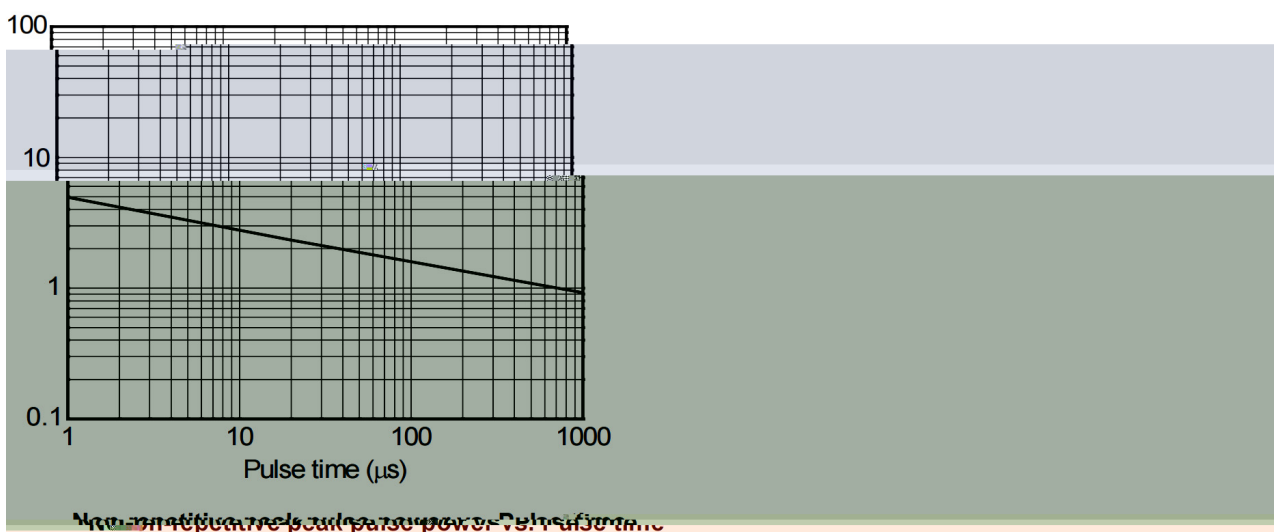
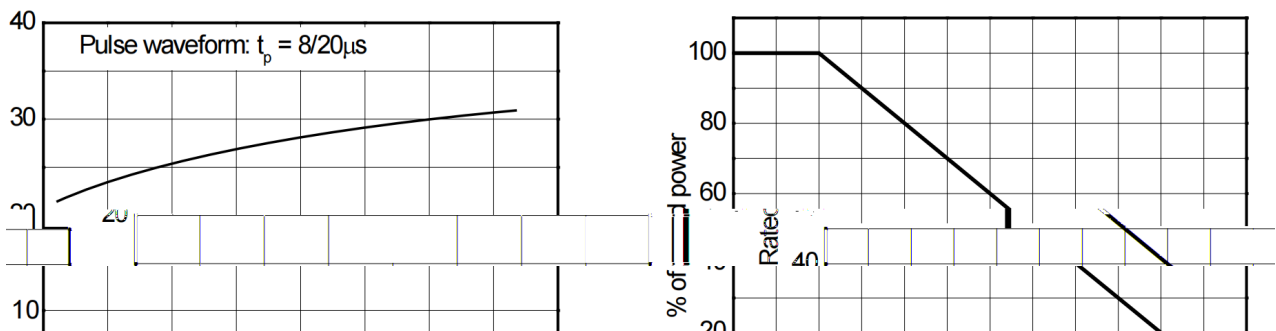
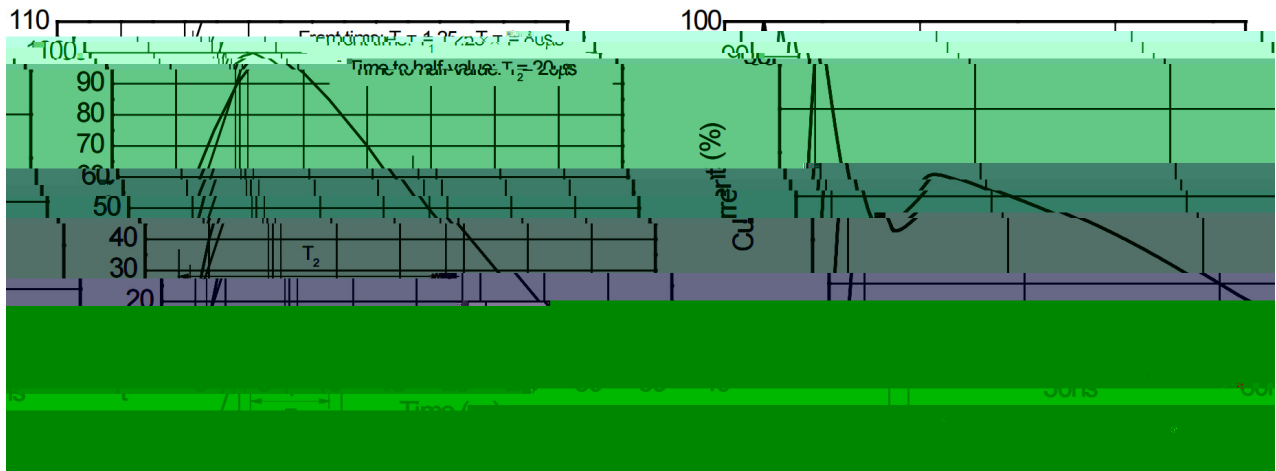


Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse maximum working voltage	V_{RWM}				24	V
Reverse leakage current	I_R	$V_R = 24V$			0.5	μA
Reverse breakdown voltage ¹⁾	V_{BR}	$I_T = 1mA$	25.5			V
Clamping voltage ²⁾	V_{CL}	$I_{PP} = 80A$ $t_p = 8/20\mu s$		32	34	V
Junction Capacitance	C_J	$V_R = 0V$ $f = 1MHz$		250	600	pF
Forward Voltage	V_F	$I_F = 10mA$		0.7		V

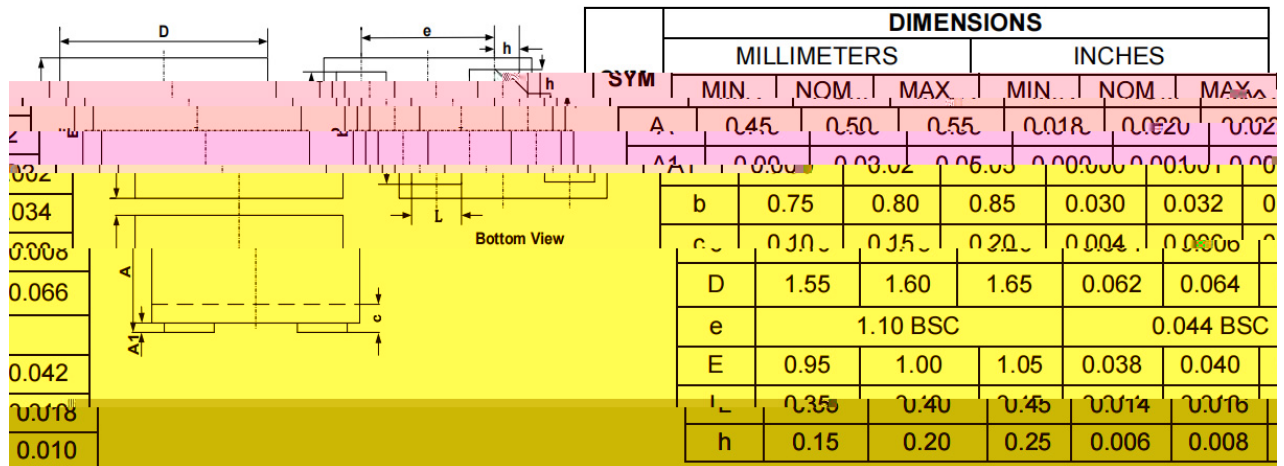
Notes:

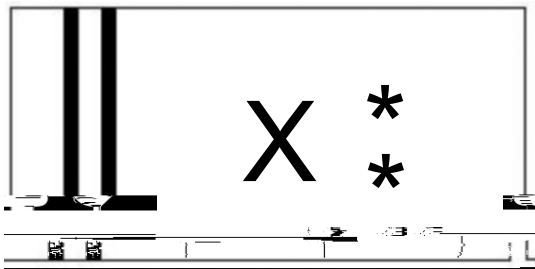
1) V_{BR} is measured with a pulse test current I_T at an ambient temperature of 25 °C.

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



DFN1610





X

Note

- XProduct Type Code
- :Lot No. Code, code change with Lot No

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
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