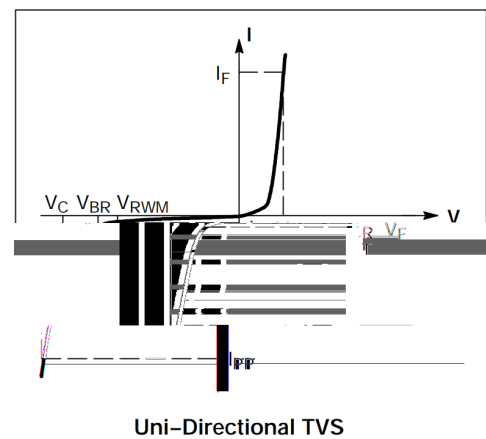


Parameter	Symbol	Rating	Unit
Peak Pulse Current($t_p = 8/20\mu s$)	I_{PP}	80	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	± 30	KV
ESD according to IEC61000-4-2 contact discharge		± 30	
Junction temperature	T_J	125	
Storage Temperature	T_{STG}	-55~+150	

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

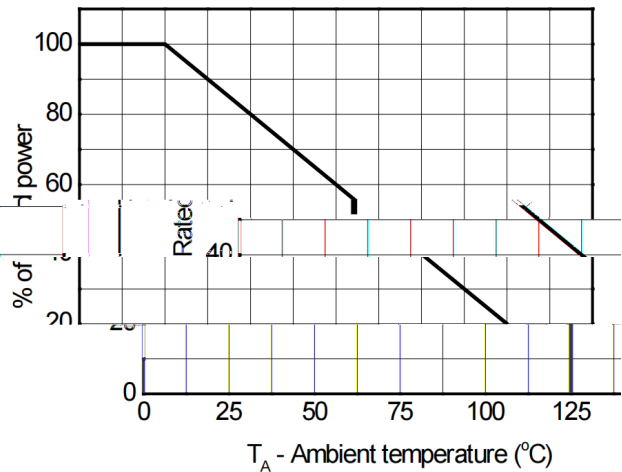
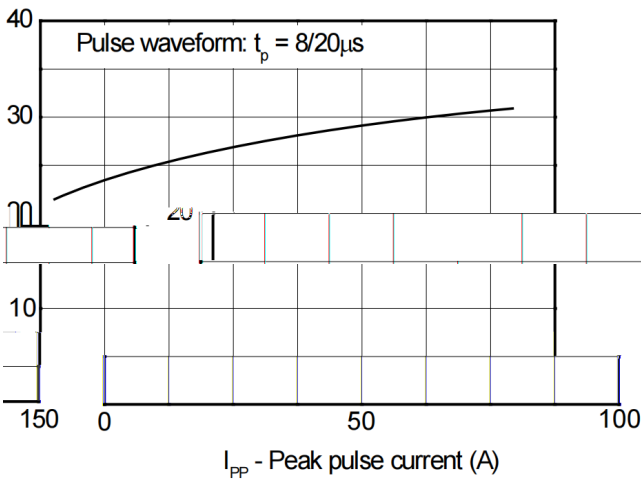
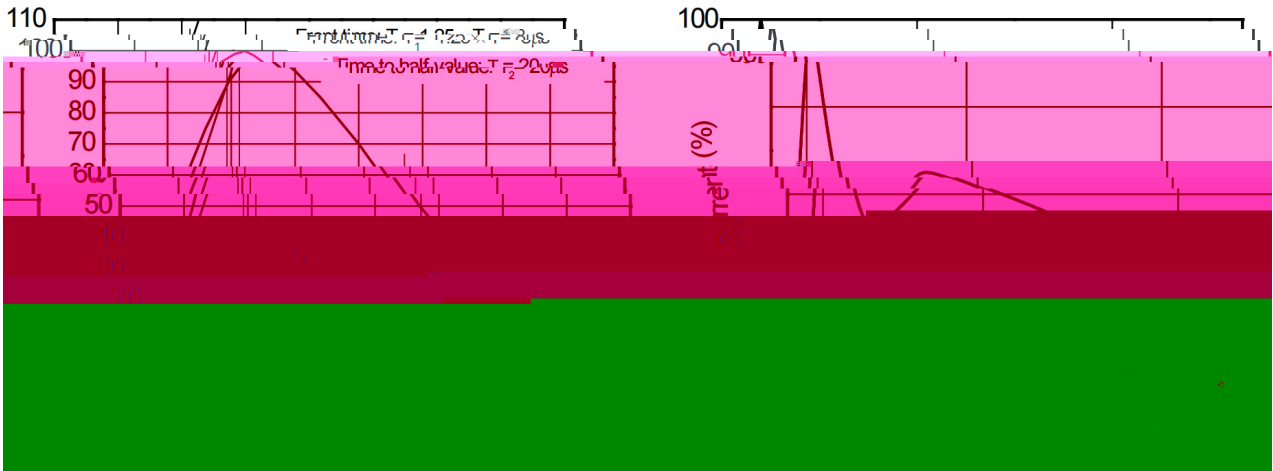


Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse maximum working voltage	V_{RWM}				24	V
Reverse leakage current	I_R	$V_R = 24V$			0.5	μA
Reverse breakdown voltage ¹⁾	V_{BR}	$I_T = 1mA$	25.5			V
Clamping voltage ²⁾	V_{CL}	$I_{PP} = 80A \quad t_p = 8/20\mu s$		32	34	V
Junction Capacitance	C_J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

Notes:

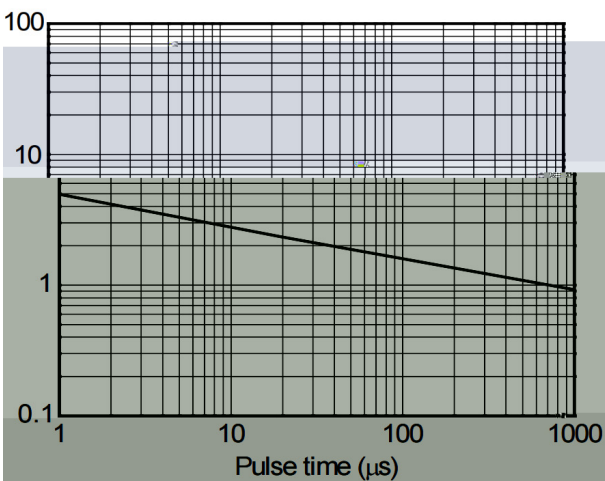
1) V_{BR} is measured with a pulse test current I_T at an ambient temperature of 25 .

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



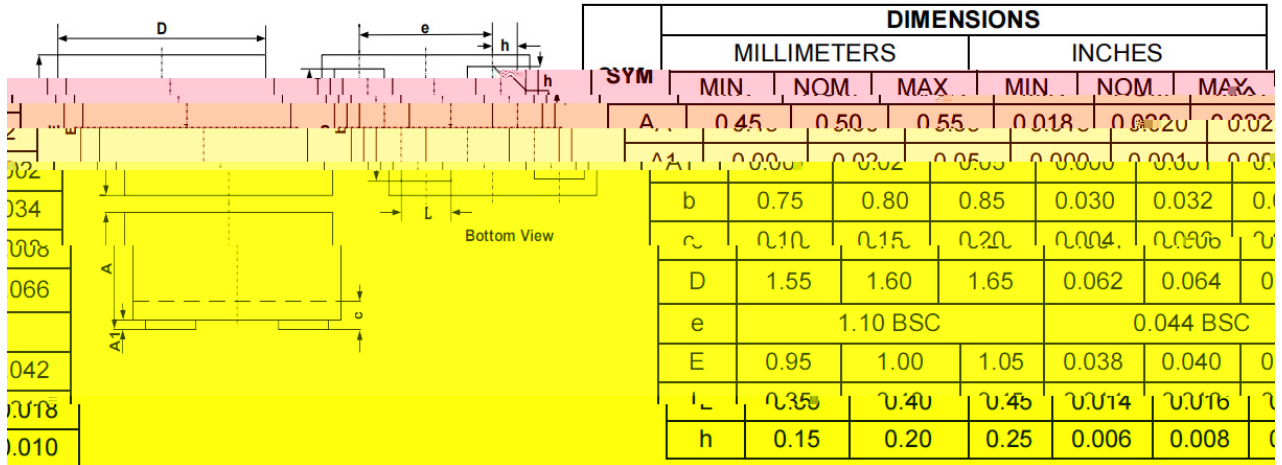
Clamping voltage vs. Peak pulse current

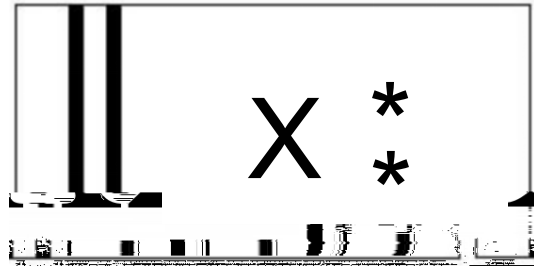
Power derating vs. Ambient temperature



Non-repetitive peak pulse power vs. Pulse time

DFN1610

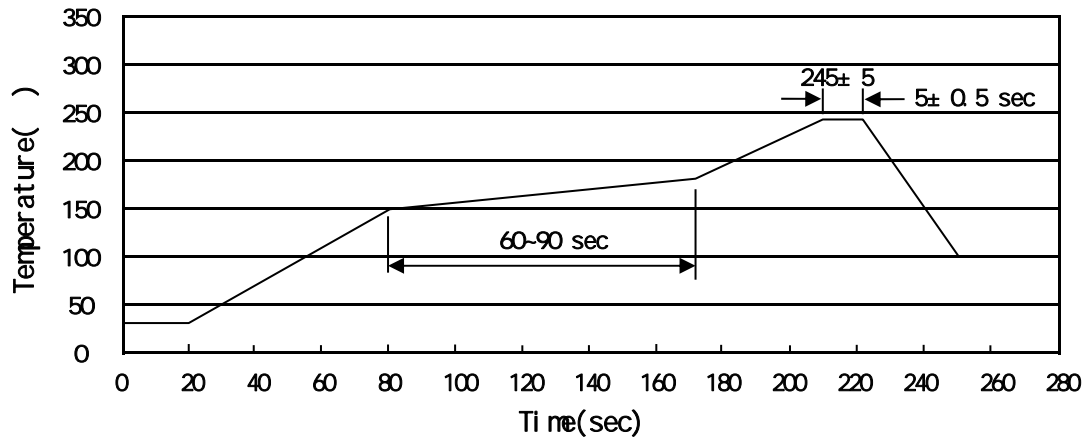




X

Note

X Product Type Code
: Lot No. Code, code change with Lot No



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