FTV05ULDFN0603

FEATURES

- 2-pin lead-less package
- Low junction capacitance (Typical value: 0.6pF)
- Peak Pulse Current (8/20μs) MAX：5A
- IEC61000-4-2 (ESD) ±25kV (air), ±20kV (contact)
- Low clamping voltage
- Low leakage current
- Working voltages：5V
- RoHS Compliant

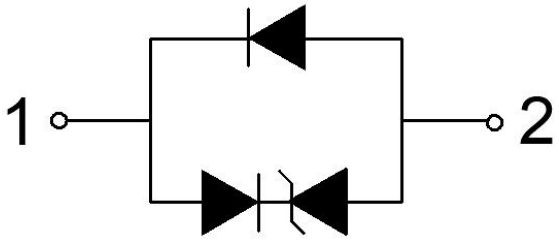
MACHANICAL DATA

- Package: DFN0603-2L
- Lead Finish:Matte Tin
- Case Material: “Green” Molding Compound.
- UL Flammability Classification Rating 94V-0
- Moisture Sensitivity: Level 3 per J-STD-020
- Tape Reel :15000pcs

APPLICATIONS

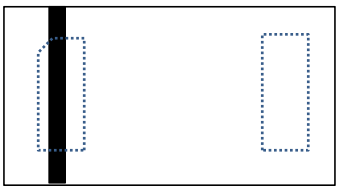
- Cellular Handsets and Accessories
- Personal Digital Assistants
- Notebooks and Handhelds
- Portable Instrumentation,Digital Cameras
- Peripherals, Audio Players, Industrial Equipment

APPEARANCE



Uni-directional

MARKING



Absollute Maximum Ratings (T=25ºC, RH=45%-75%, unless otherwise ted)

Parameters	Symbol	Value	Unit
Peak Pulse Power (tp=8/20μs waveform)	P_{PP}	75	W
Peak Pulse Current (8/20μs)	I_{PP}	5	A
ESD per IEC 61000−4−2 (Air) ESD per IEC 61000−4−2 (Contact)	V_{ESD}	±25 ±20	KV
Operating Temperature Range	T_J	−55 to +150	°C
Storage Temperature Range	Tstg	−55 to +150	°C

Electrical Characteristics (T=25ºC, RH=45%-75%, unless otherwise noted)

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Reverse Working Voltage	V_{RWM}				5	V
Reverse Breakdown Voltage	V_{BR}	I_R = 1mA	6		9	V
Reverse Leakage Current	I_R	V_R = 5V			0.1	uA
Clamping voltage	V_C	I_{PP} = 1A,T_P=8/20us			10	V
Clamping voltage	V_C	I_{PP} = 5A,T_P=8/20us			15	V
Junction capacitance	C_J	V_R =0V,f =1MH$_Z$		0.6	0.8	pF

TYPICAL CHARACTERISTICS

FIG1：Power rating derating curve

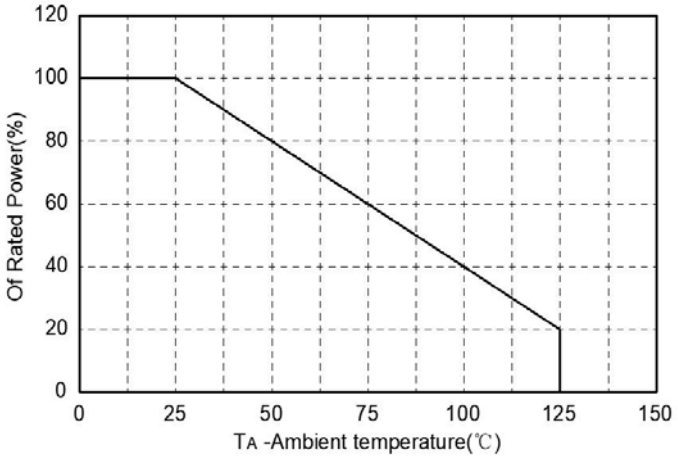


FIG2： pulse Waveform

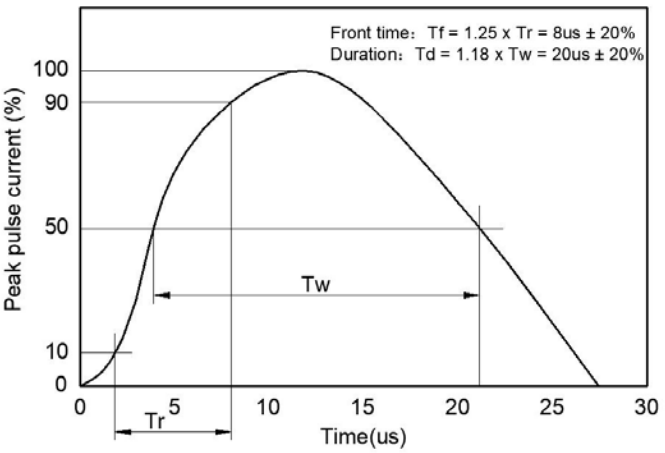


FIG3：Capacitance between teminals charateristics

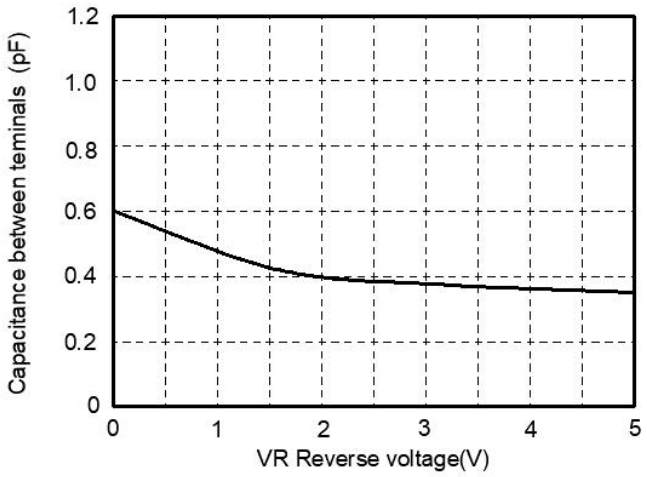


FIG4: Clamping Voltage vs. Peak Pulse Current