

PJSD05ULFN2

SINGLE LINE LOW CAPACITANCE TVSDIODE FOR ESD PROTECTION IN PORTABLE ELECTRONICS

VOLTAGE 5 Volts **POWER** 200 Watts

DFN 2L Unit : inch(mm)

FEATURES

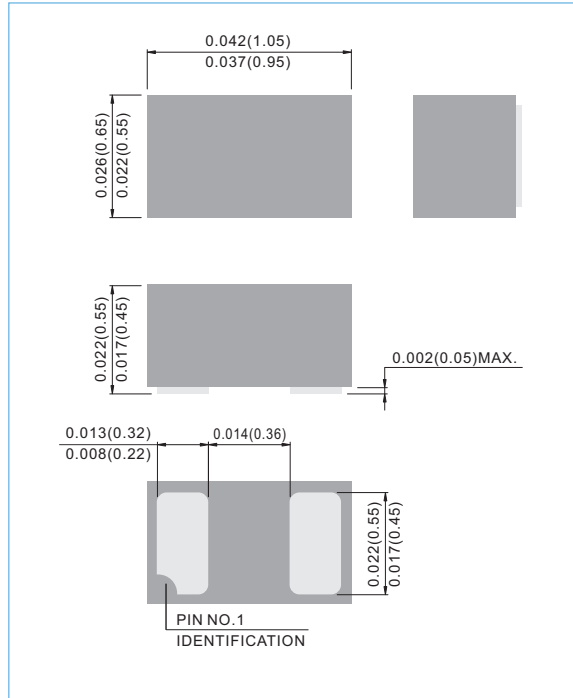
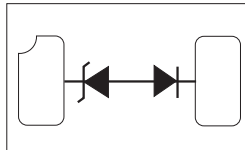
- 200 Watts peak pules power($t_p=8/20\mu s$)
- Small package for use in portable electronics
- Suitable replacement for MLV'S in ESD protection applications
- Low clamping voltage and leakage current
- Lead free in comply with EU RoHS 2002/95/EC directives.
- Green molding compound as per IEC61249 Std. . (Halogen Free)

APPLICATIONS

- Instrumentation
- Portable electronics
- Mobile phone and accessories

MECHANICAL DATA

- Case: DFN 2L plastic
- Terminals : Solderable per MIL-STD-750,Method 2026
- Approx. Weight: 0.00004 ounces, 0.0011grams
- Marking : BU



MAXIMUM RATINGS AND ELECTRICAL CHATACTERISTICS

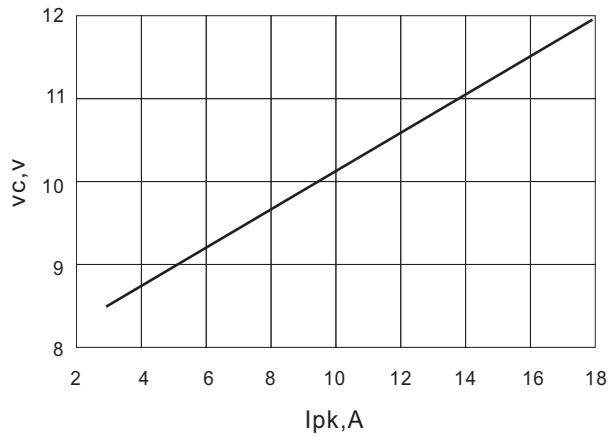
ABSOLUTE MAXIMUM RATING

Rating	Symbol	Value	Units
Peak Pulse Power ($t_p=8/20\mu s$)	P_{PK}	200	W
Max Peak Pulse Current 8/20 μs	I_{PPM}	18	A
ESD Voltage	V_{ESD}	25	KV
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-55 to +150	°C

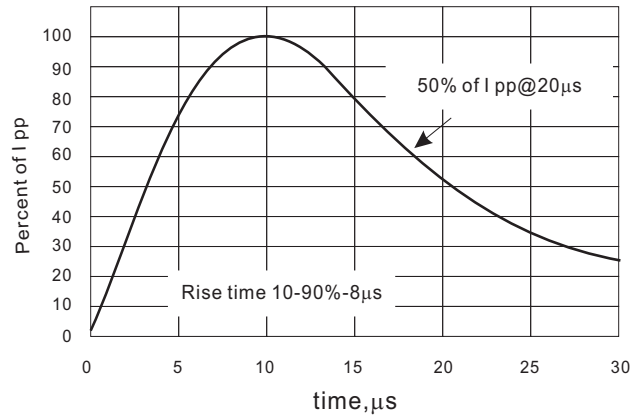
ELECTRICAL CHARA CTERISTICS

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Units
Reverse Stand-Off Voltage	V_{RWM}	-	-	-	5	V
Reverse Breakdown Voltage	V_{BR}	$I_{BR}=1mA$	6.0	7.4	-	V
Reverse Leakage Current	I_R	$V_R=5V$	-	-	1	μA
Clamping Voltage(8/20 μs)	V_C	$I_{PP}=5A$	-	9.0	11	V
Clamping Voltage(8/20 μs)	V_C	$I_{PP}=15A$	-	11.5	14	V
Off State Junction Capacitance	C_J	0Vdc Bias= $f=1MHz$	-	0.28	0.35	pF

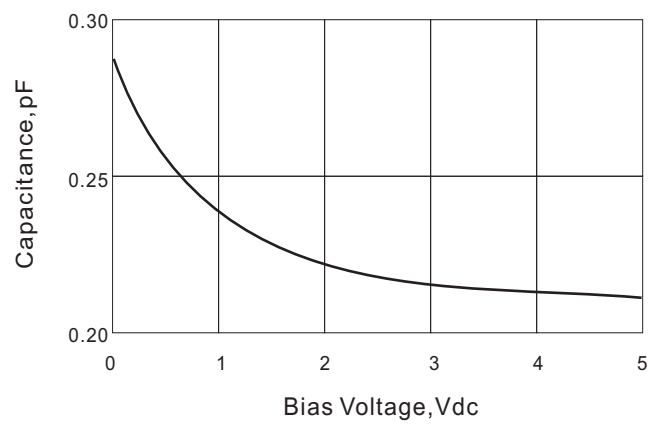
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Clamping Voltage vs I_{pp} 8/20µs Surge



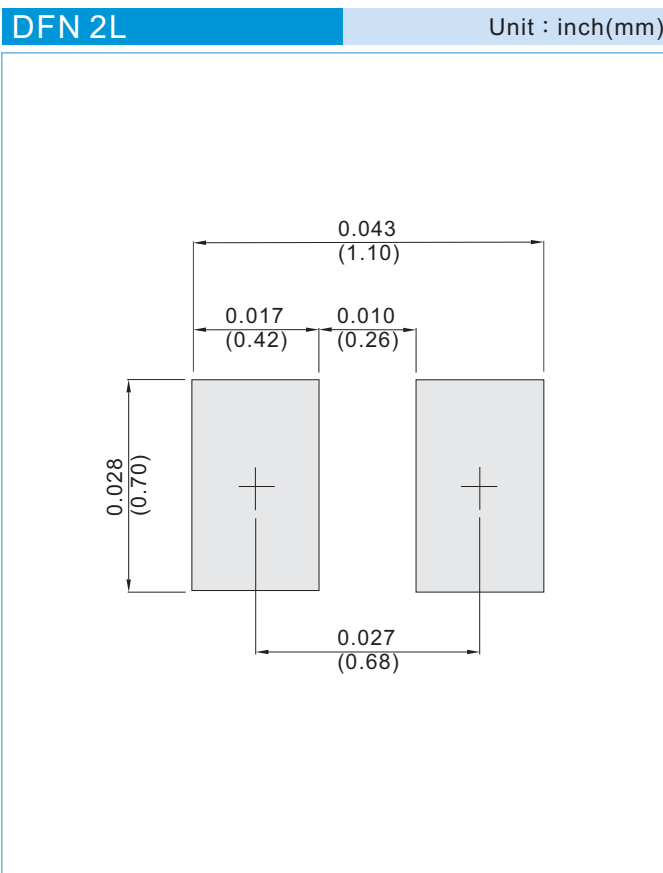
Pulse Waveform



Capacitance vs. Biasing Voltage@1MHz

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MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
T/R - 8K per 7" plastic Reel

LEGAL STATEMENT

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For example :

RB500V-40_R2_00001



Packing Code XX				Version Code XXXXXX		
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code
T/B	A	N/A	0	HF	0	serial number
T/R	R	7"	1	RoHS	1	serial number
B/P	B	13"	2			
T/P	T	26mm	X			
TRR	S	52mm	Y			
TRL	L	PBCU	U			
FORMING	F	PBCD	D			

Part No_packing code_Version

PJSD05ULFN2_R1_00001