



PJE5UQFN10A

LOW CAPACITANCE TVS DIODE ARRAY

FEATURES

- IEC61000-4-2 ESD ± 17 kV Air, ± 12 kV Contact compliance
- Low capacitance=0.4 pF maximum.
- Protect four I/O lines
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

- Case : DFN2510-10L, Plastic
- Terminals : Solderable per MIL-STD-750, Method 2026
- Marking : JE5Q

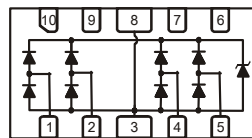
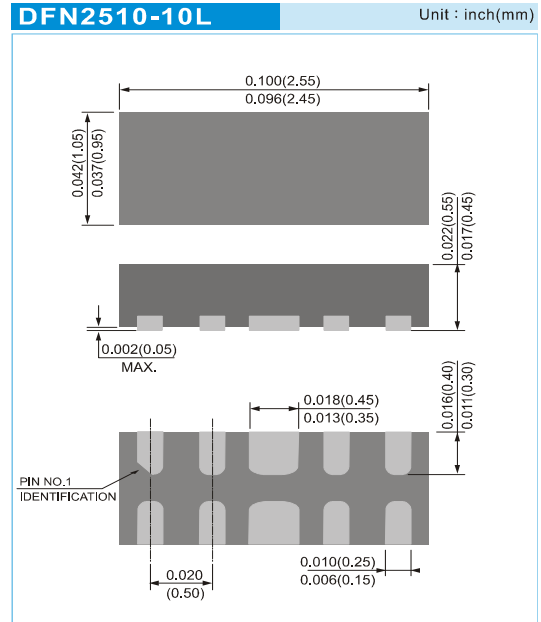


Fig.175(TOP VIEW)



MAXIMUM RATINGS (T_A=25°C unless otherwise noted)

RATING	SYMBOL	VALUE	UNITS
Peak Pulse Current (tp=8/20 μs)	I _{PP}	5	A
ESD per IEC 61000-4-2 (Air) ESD per IEC 61000-4-2 (Contact)	V _{ESD}	± 17 ± 12	kV
Operating Junction Temperature Range	T _J	-55 to +150	°C
Storage Temperature Range	T _{STG}	-55 to +150	°C

ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

PARAMETER	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Stand-Off Voltage	V _{RWM}	Any I/O pin to ground	-	-	5	V
Reverse Breakdown Voltage	V _{BR}	I _{BR} =1mA, Any I/O pin to ground	6	-	8.6	V
Reverse Leakage Current	I _R	V _R =5V, Any I/O pin to ground	-	-	1	μA
Clamping Voltage	V _C	I _{PP} =1A, tp=8/20μs Any I/O pin to ground	-	-	15	V
Clamping Voltage	V _C	I _{pp} =5A, tp=8/20μs Any I/O pin to ground	-	-	35	V
Off State Junction Capacitance	C _J	V _R =0V, f=1MHz Any I/O pin to ground	-	-	0.8	pF
Off State Junction Capacitance	C _J	V _R =0V, f=1MHz Between I/O pin	-	-	0.4	pF



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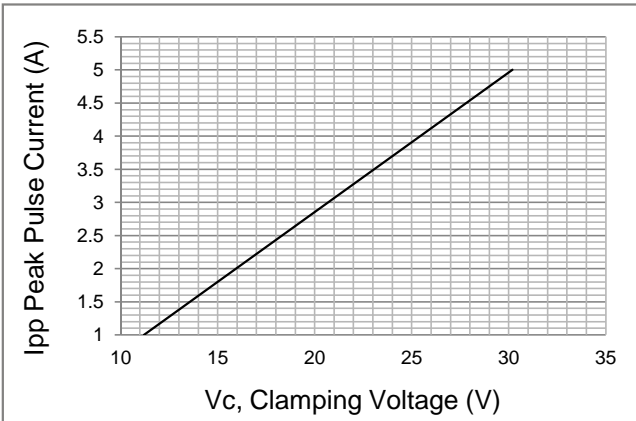


Fig.1 Typical Peak Clamping Voltage(8/20μS)

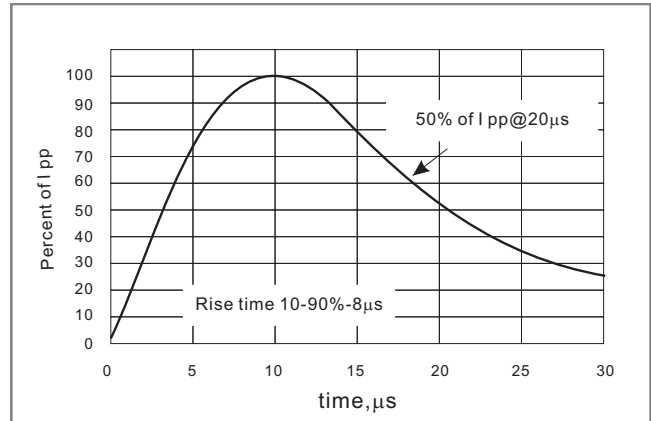


Fig.2 8/20μS Peak Pulse Current Waveform

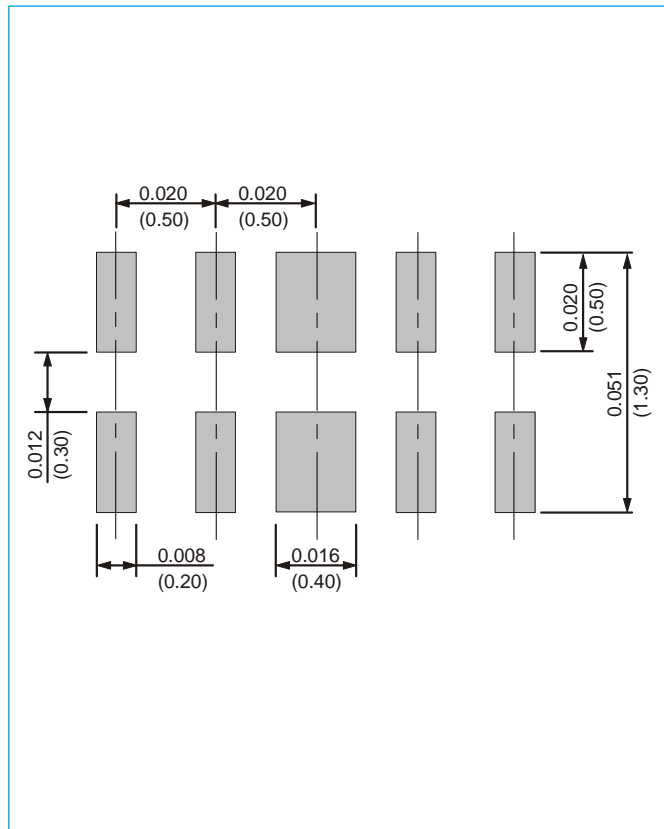


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MOUNTING PAD LAYOUT

DFN2510-10L

Unit : inch(mm)



ORDER INFORMATION

- Packing information
 - T/R - 5K per 7" plastic Reel
 - T/R - 12K per 13" plastic Reel



PJE5UQFN10A

Part No_packing code_Version

PJE5UQFN10A_R1_00001

PJE5UQFN10A_R2_00001

For example :

RB500V-40_R2_00001



Packing Code XX				Version Code XXXXX		
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	B	13"	2			
Tube Packing (T/P)	T	26mm	X			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			



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