Fig.30(Top View)

Maximum Ratings ($T_A=25^{\circ}C$ unless otherwise noted)

PARAMETER	SYMBOL	LIMIT
Peak Pulse Power Dissipation(tp=8/20uS)	P _{PP}	165
ESD IEC61000-4-2(Air)		±20
ESD IEC61000-4-2(Contact)	V_{ESD}	±15
Operating Junction Temperature Range	TJ	-55 to +125
Storage Temperature Range	T _{STG}	-55 to +150

Features	0.042(1.05)
ESD protection of one line	0.026(0.65)
IEC61000-4-2(ESD): ±20kV Air, ±15kV Contact Compliance	0.02
IEC61000-4-4(EFT): 40A(5/50nS)	
IEC61000-4-5(Lightning): 3A(8/20µS)	45)
 Low leakage current, maximum of 0.5µA at rated voltage 	0.022(0.55) 0.017(0.45)
Lead free in compliance with EU RoHS2.0 (2011/65/EU &	
2015/865/EU directive).	0.013(0.32) 0.014(0.36) 0.008(0.22)
• Green molding compound as per IEC61249 Std(Halogen Free)	PIN NO.1
Mechanical Data	
Case: DFN 2L, Plastic	
Terminals: Solderable per MIL-STD-750, Method 2026	
 Approx. Weight: 0.00004 ounces, 0.0011 grams 	
Marking: 9V	
Applications	
LED Backlight	
Mobile Phones and accessories	
Desktops, Servers and Notebook	
Hand held portable	
Computer Interfaces Protection	
Serial and Parallel Ports Protection	

ESD Protection

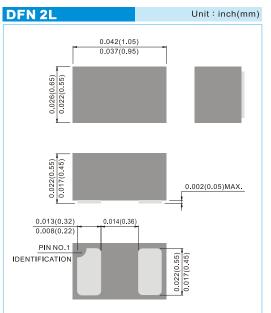
V_{RWM}

PANJ

- Control Signal Lines Protection



28 V



UNITS

W

kV

°C °C





Electrical Characteristics (T _A =25°C u	unless otherwise noted)
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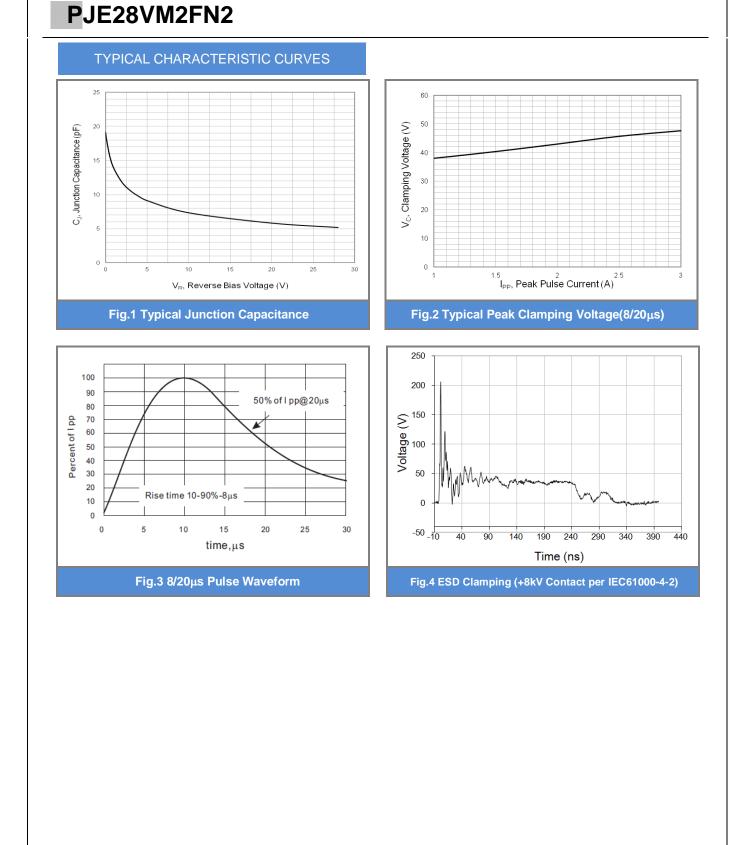
PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNITS
Reverse Stand-Off Voltage ^(NOTE1)	V _{RWM}	-	-	-	28	V
Reverse Breakdown Voltage	V _{BR}	I _{BR} =1mA	29	-	35	V
Reverse leakage current	I _R	V _R =28V	-	-	0.5	μA
Clamping Voltage	V _{CL}	I _{PP} =1A, t _P =8/20μs	-	38	45	V
		I _{PP} =3A, t _P =8/20μs	-	48	55	
Dynamic Resistance ^(NOTE2)	R _D	t _P =8/20μs	-	5	-	Ω
Off State Junction Capacitance	CJ	0Vdc Bias f=1MHz	-	-	25	pF

NOTE :

1.A transient suppressor is selected according to the working peak reverse voltage(V_{RWM}), which should be equal to or greater than the DC or continuous peak operation voltage level.

2.Dynamic resistance calculated form $I_{PP}=1A$ to $I_{PP}=3A$.

March 1,2017-REV.01

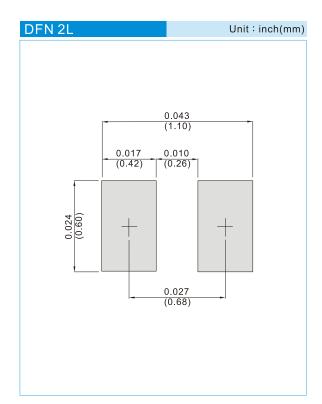








MOUNTING PAD LAYOUT



ORDER INFORMATION

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



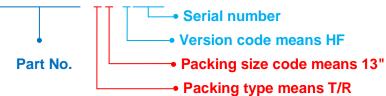


Part No_packing code_Version

PJE28VM2FN2_R1_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)	Α	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	В	13"	2			
Tube Packing (T/P)	т	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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