PJE24VM5FN2 **ESD** Protection DFN 2L Unit : inch(mm) 24 V V_{RWM} Features 0.042(1.05) 0.022(0.55) • Unidirectional ESD protection of one line • 0.026(0.65) • IEC61000-4-2(ESD): ±30kV Air, ±30kV Contact Compliance IEC61000-4-4(EFT): 40A(5/50nS) IEC61000-4-5(Lightning): 3A(8/20µS) • 0.002(0.05) MAX. Low leakage current, maximum of 0.1µA at rated voltage • Lead free in compliance with EU RoHS 2.0 0.014(0.36) 0.013(0.32) • Green molding compound as per IEC 61249 standard 022(0.55) Mechanical Data • Case: DFN 2L, Plastic PIN NO.1 IDENTIFICATION • Terminals: Solderable per MIL-STD-750, Method 2026 Approx. Weight: 0.00004 ounces, 0.0011 grams • Marking: AM Applications • Mobile Phones and accessories ٠ Desktops, Servers and Notebook Hand held portable • Cathode Anode Digital Cameras Fig.30(Top View) • Computer Interfaces Protection • • Serial and Parallel Ports Protectionontrol Signal Lines Protection Maximum Ratings (T_A=25[°]C unless otherwise noted)

PARAMETER	SYMBOL	LIMIT	UNITS
Peak Pulse Power Dissipation(tp=8/20uS)	P _{PP}	100	W
ESD IEC61000-4-2(Air)		±30	kV
ESD IEC61000-4-2(Contact)	V _{ESD}	±30	
Operating Junction Temperature	TJ	-55 to +125	°C
Storage Temperature Range	T _{STG}	-55 to +150	°C

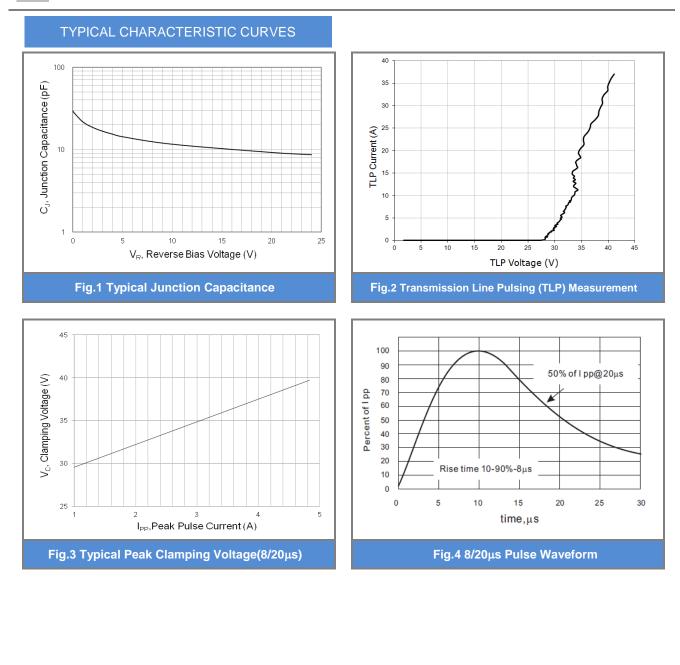
June 27,2018-REV.03



PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNITS
Reverse Stand-Off Voltage	V _{RWM}	-	-	-	24	V
Reverse Breakdown Voltage	V_{BR}	I _{BR} =1mA	25	-	29	V
Reverse leakage current	I _R	V _R =24V	-	-	0.1	μA
Clamping Voltage	V _{CL}	I _{PP} =1A, t _P =8/20μs	-	30	40	v
		I _{PP} =3A, t _P =8/20μs	-	35	-	
Clamping Voltage TLP (Notes 1)	V _{CL}	I _{PP} =4A, t _P =100ns	-	30.6	-	v
		I _{PP} =8A, t _P =100ns	-	32.5	-	
Dynamic Resistance (Notes 1)	R _{DYN}	t _P =100ns	-	0.48	-	Ω
Off State Junction Capacitance	CJ	0Vdc Bias f=1MHz	-	-	50	pF

NOTES :

1. Testing using Transmission Line Pulse (TLP) conditions: Z_0 = 50 Ω , t_P = 100 ns.

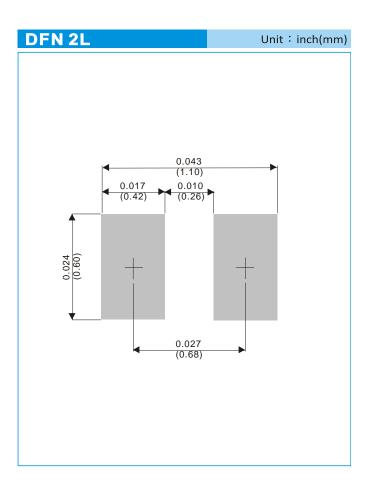




PART NO PACKING CODE VERSION

Part No Packing Code	Package Type	Packing Type	Marking	Version
PJE24VM5FN2_R1_00001	DFN 2L	8K pcs / 7" reel	AM	Halogen free

MOUNTING PAD LAYOUT





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