

# PJEC28VV5FN2

## ESD Protection

**Voltage**

**28 V**

## Features

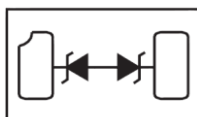
- Bidirectional ESD protection of one line
- IEC61000-4-2(ESD):  $\pm 15$ kV Air,  $\pm 8$ kV Contact
- IEC61000-4-4(EFT): 20A(5/50nS)
- IEC61000-4-5(Lightning): 1A(8/20 $\mu$ S)
- Low leakage current, maximum of 0.5 $\mu$ A at rated voltage
- Lead free in compliance with EU RoHS2.0  
(2011/65/EU & 2015/865/EU directive)
- Green molding compound as per IEC61249 Std.(Halogen Free)

## Mechanical Data

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

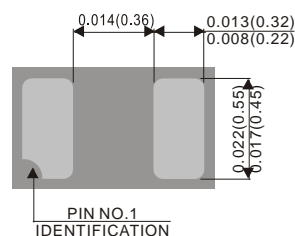
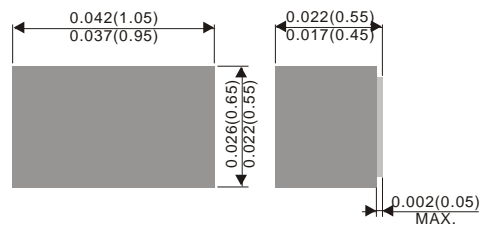
## Applications

- LED Backlight
- Mobile Phones and accessories
- Desktops, Servers and Notebook



## DFN 2L

Unit : inch(mm)



## Maximum Ratings

PARAMETER	SYMBOL	VALUE	UNITS
ESD IEC61000-4-2(Air)	$V_{ESD}$	$\pm 15$	kV
ESD IEC61000-4-2(Contact)		$\pm 8$	
Operating Junction Temperature	$T_J$	-55 to +150	$^{\circ}\text{C}$
Storage Temperature Range	$T_{STG}$	-55 to +150	$^{\circ}\text{C}$



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### Electrical Characteristics

PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNITS
Reverse Stand-Off Voltage <sup>(Note 1)</sup>	$V_{RWM}$	-	-	-	28	V
Reverse Breakdown Voltage	$V_{BR}$	$I_{BR}=1mA$	30	-	36	V
Reverse Leakage Current	$I_R$	$V_R=28V$	-	-	0.5	$\mu A$
Clamping Voltage	$V_{CL}$	$I_{PP}=1A, t_P=8/20\mu s$	-	-	50	V
Off State Junction Capacitance	$C_J$	0Vdc Bias $f=1MHz$	-	-	5	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.



## PJEC28VV5FN2

### TYPICAL CHARACTERISTIC CURVES

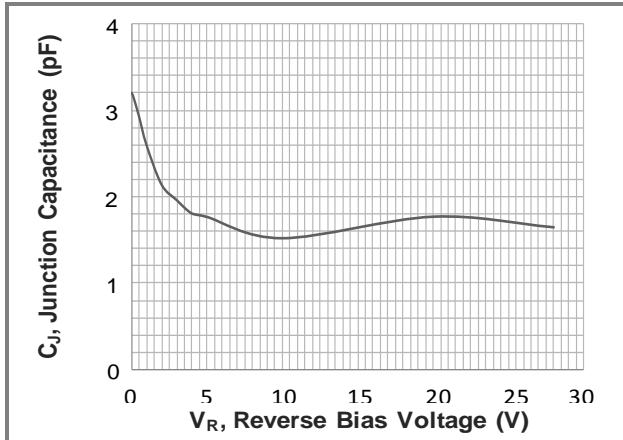


Fig.1 Typical Junction Capacitance

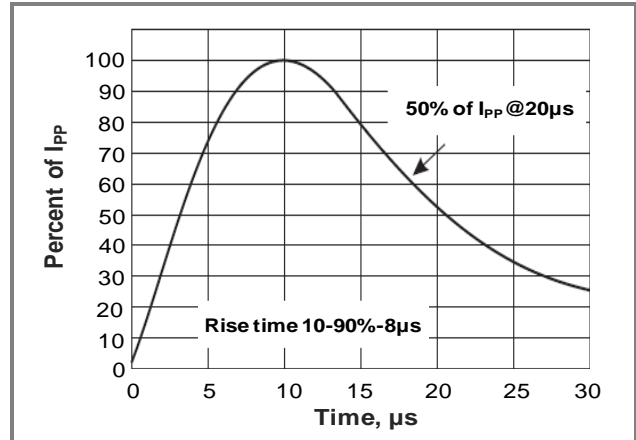


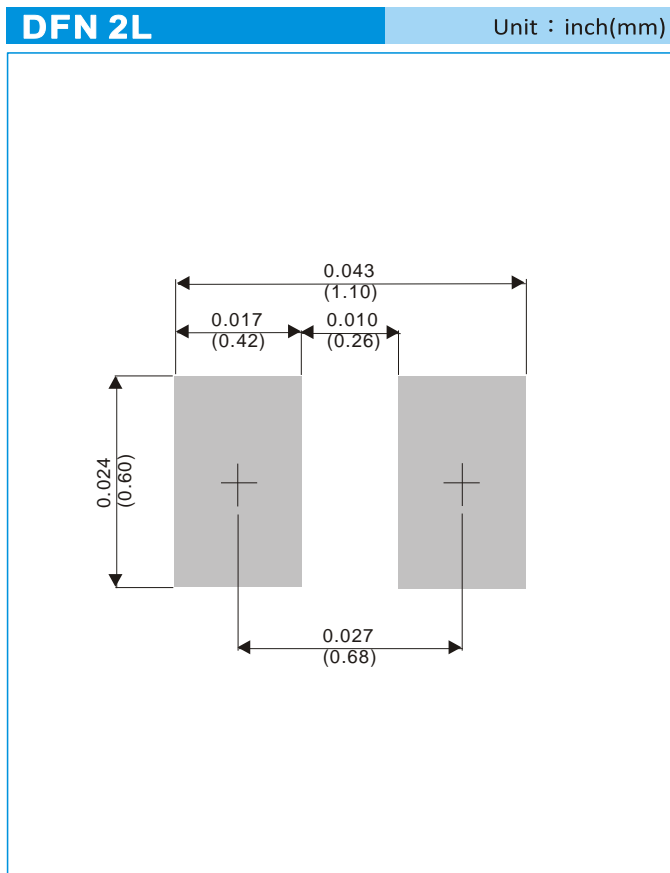
Fig.2 8/20 $\mu$  s Pulse Waveform

# PJEC28VV5FN2

## Part No Packing Code Version

Part No Packing Code	Package Type	Packing Type	Marking	Version
PJEC28VV5FN2_R1_00001	DFN 2L	8K / 7" Reel	VV	Halogen Free

## MOUNTING PAD LAYOUT





## PJEC28VV5FN2

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