





## PJE5V0M1FN2

Electrical Characteristics ( $T_A=25^{\circ}\text{C}$  unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNITS
Reverse Stand-Off Voltage	$V_{RWM}$	-	-	-	5	V
Reverse Breakdown Voltage	$V_{BR}$	$I_{BR}=1\text{mA}$	6.2	-	7.2	V
Reverse leakage current	$I_R$	$V_R=5\text{V}$	-	-	0.5	$\mu\text{A}$
Clamping Voltage	$V_{CL}$	$I_{PP}=1\text{A}, t_P=8/20\mu\text{s}$			9	V
		$I_{PP}=2\text{A}, t_P=8/20\mu\text{s}$	-	-	10	
Clamping Voltage TLP <sup>(Note 1)</sup>	$V_{CL}$	$I_{PP}=4\text{A}, t_P=100\text{ns}$	-	9	-	V
		$I_{PP}=8\text{A}, t_P=100\text{ns}$	-	10.3	-	
Dynamic Resistance <sup>(Note 1)</sup>	$R_{DYN}$	$t_P=100\text{ns}$	-	0.33	-	$\Omega$
Off State Junction Capacitance	$C_J$	0Vdc Bias $f=1\text{MHz}$	-	-	15	pF

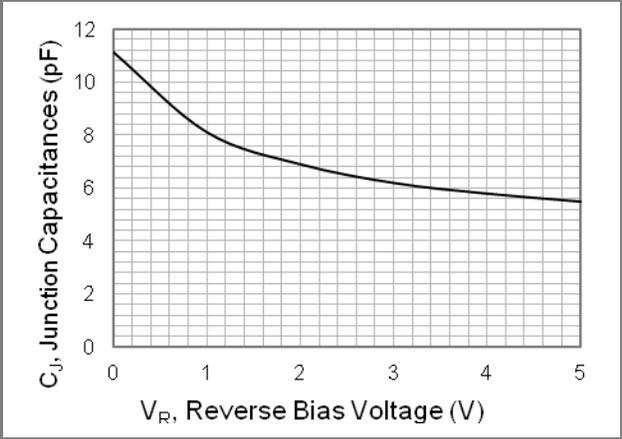
NOTES :

1. Testing using Transmission Line Pulse (TLP) conditions:  $Z_0 = 50\Omega$ ,  $t_P = 100\text{ ns}$ .

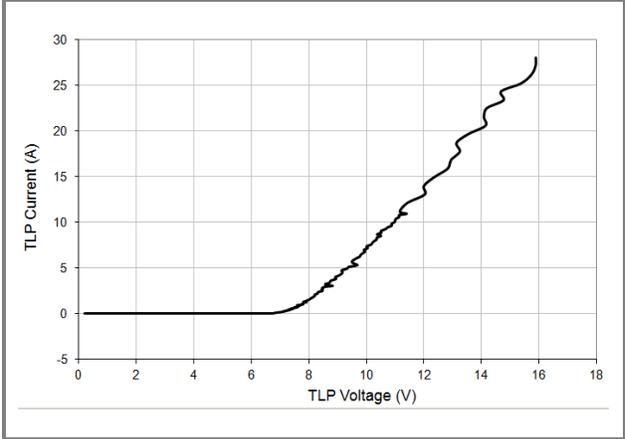


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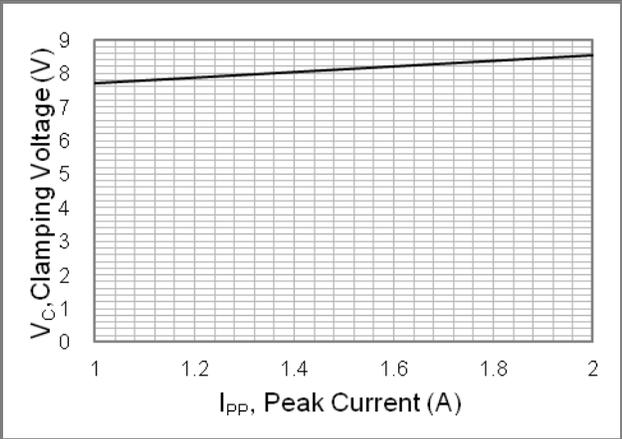
## TYPICAL CHARACTERISTIC CURVES



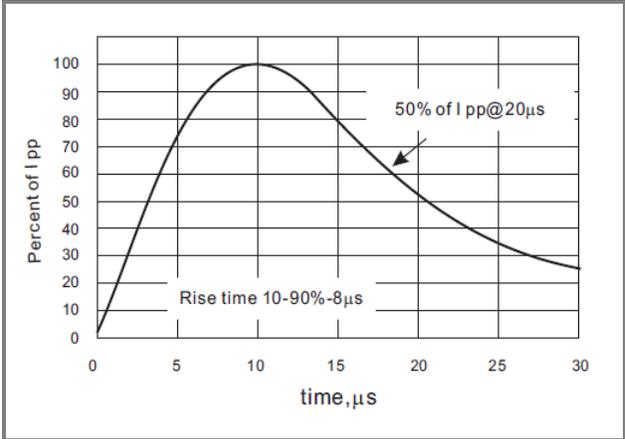
**Fig.1 Typical Junction Capacitance**



**Fig.2 Transmission Line Pulsing (TLP) Measurement**



**Fig.3 Typical Peak Clamping Voltage(8/20µs)**



**Fig.4 8/20µs Pulse Waveform**

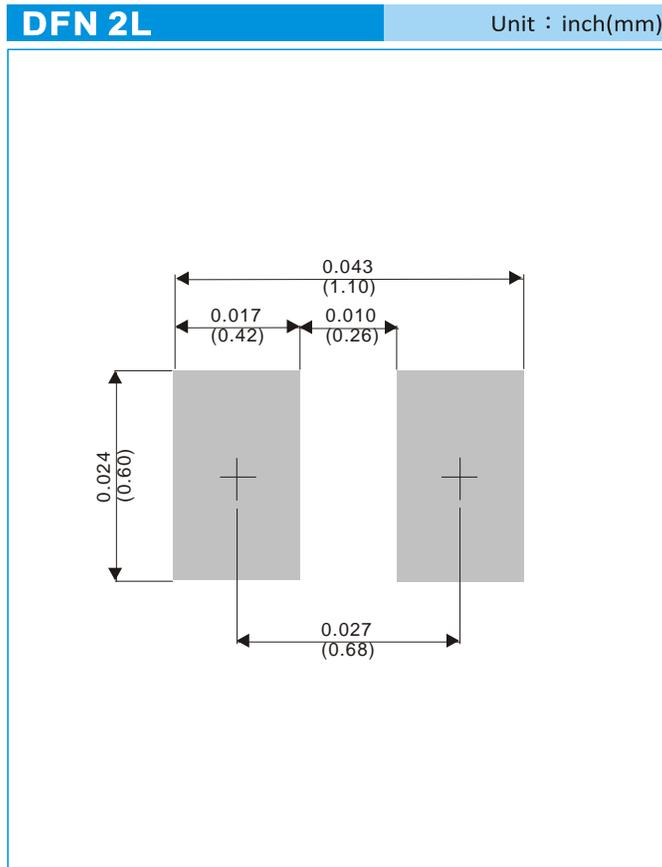


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## PART NO PACKING CODE VERSION

Part No Packing Code	Package Type	Packing type	Marking	Version
PJE5V0M1FN2_R1_00001	DFN 2L	8K pcs / 7" reel	4B	Halogen free

## MOUNTING PAD LAYOUT





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