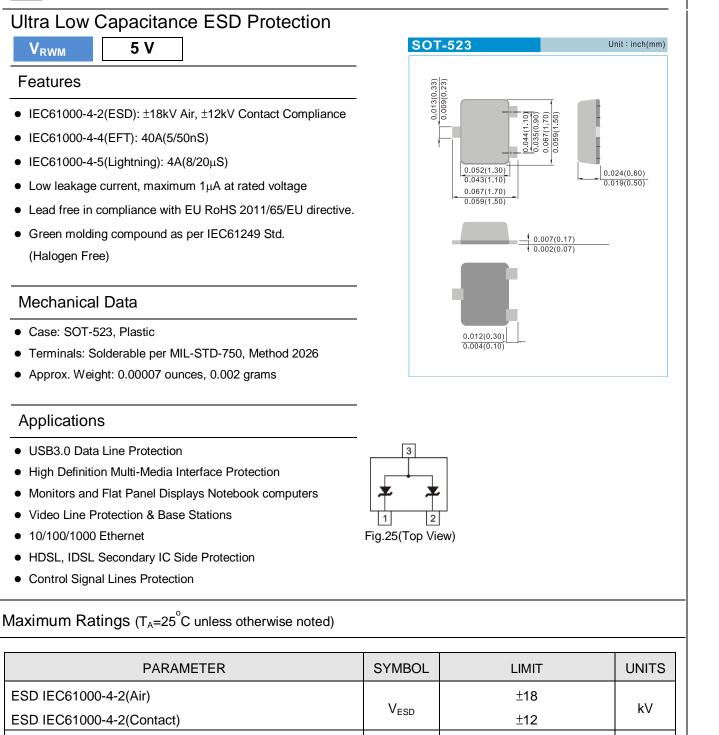
### PJE5V0U8TB

CONDUCTOR

PAN



T<sub>1</sub>

T<sub>STG</sub>

**Operating Junction Temperature Range** 

Storage Temperature Range

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•

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•

°C

°C

-55 to +150

-55 to +150



# ς.

## PJE5V0U8TB

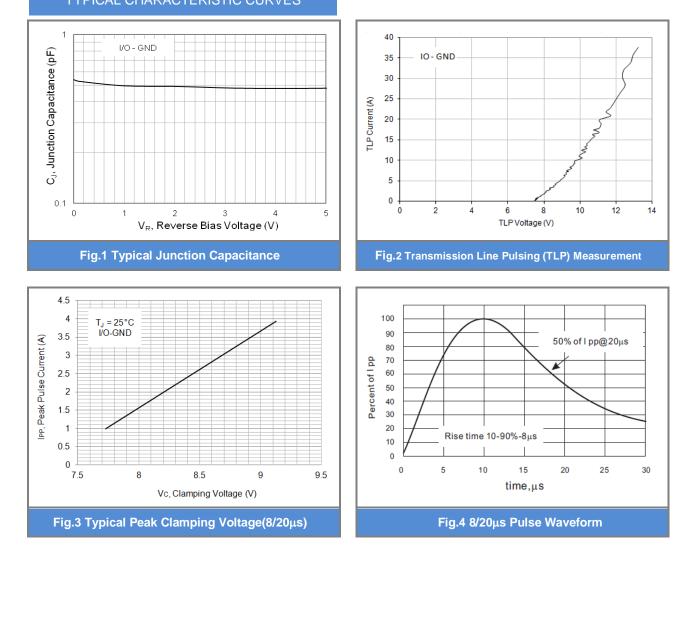
Electrical Characteristics ( $T_A=25^{\circ}C$  unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNITS
Reverse Stand-Off Voltage	V <sub>RWM</sub>	-	-	-	5	V
Reverse Breakdown Voltage	V <sub>BR</sub>	I <sub>BR</sub> =1mA, Between any I/O pins to GND	5.8	-	10.2	V
Reverse leakage current	I <sub>R</sub>	V <sub>R</sub> =5V, any I/O pin to GND	-	-	1	μA
Clamping Voltage	V <sub>CL</sub>	I <sub>PP</sub> =1A, t <sub>P</sub> =8/20μs, any I/O pin to GND	-	9	12	v
		I <sub>PP</sub> =4A, t <sub>P</sub> =8/20μs, any I/O pin to GND	-	-	15	
Clamping Voltage TLP <sup>(Note 1)</sup>	V <sub>CL</sub>	I <sub>PP</sub> =4A, t <sub>P</sub> =100ns, any I/O pin to GND	-	9.6	-	v
		I <sub>PP</sub> =8A, t <sub>P</sub> =100ns, any I/O pin to GND	-	10.6	-	
Dynamic Resistance <sup>(Note 1)</sup>	$R_{DYN}$	t <sub>P</sub> =100ns	-	0.25	-	Ω
Off State Junction Capacitance	CJ	0Vdc Bias f=1MHz, Between any I/O pins to GND	-	0.6	0.8	pF

NOTES :

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

May 4,2016-REV.03



TYPICAL CHARACTERISTIC CURVES

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PJE5V0U8TB







### PJE5V0U8TB

#### PART NO PACKING CODE VERSION

Part No Packing Code	Package Type	Packing Type	Marking	Version
PJE5V0U8TB_R1_00001	SOT-523	4K pcs / 7" reel	8T	Halogen free

For example :

#### RB500V-40\_R2\_00001

Part N

Serial number

----- Version code means HF

Part No.

-• Packing type means T/R

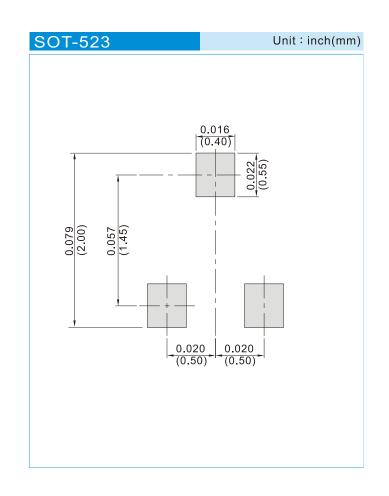
• Packing size code means 13"

Packing type1st CodeTape and Ammunition Box (T/B)ATape and Reel (T/R)R	Packing size code N/A	2 <sup>nd</sup> Code	HF or RoHS	1 <sup>st</sup> Code	2 <sup>nd</sup> ~5 <sup>th</sup> Code
Box (T/B)	N/A				
Tape and Reel (T/R) R		0	HF	0	serial number
	7"	1	RoHS	1	serial number
Bulk Packing (B/P) B	13"	2			
Tube Packing (T/P) T	26mm	x			l
Tape and Reel (Right Oriented) (TRR) S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING F	PANASERT T/B CATHODE DOWN (PBCD)	D			





#### MOUNTING PAD LAYOUT



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### PJE5V0U8TB

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