





# PJESD5V6LC-5W SERIES

## ELECTRICAL CHARACTERISTICS (T<sub>J</sub>=25°C unless otherwise specified)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Reverse stand-off voltage PJESD5V6LC-5W PJESD6V2LC-5W PJESD6V8LC-5W	V <sub>RWM</sub>		-	-	3.3 4.3 5.0	V
Reverse leakage current PJESD5V6LC-5W PJESD6V2LC-5W PJESD6V8LC-5W	I <sub>RM</sub>	V <sub>RWM</sub> =3.0V V <sub>RWM</sub> =4.3V V <sub>RWM</sub> =5.0V	-	-	0.5 0.5 0.5	μA
Breakdown leakage current PJESD5V6LC-5W PJESD6V2LC-5W PJESD6V8LC-5W	V <sub>BR</sub>	I <sub>Z</sub> =1mA	5.32 5.89 6.37	5.60 6.20 6.70	5.88 6.51 7.04	V
Diode capacitance PJESD5V6LC-5W PJESD6V2LC-5W PJESD6V8LC-5W	C <sub>d</sub>	f=1MHz; V <sub>R</sub> =0V	-	22 19 16	28 24 19	pF
Clamping voltage PJESD5V6LC-5W  PJESD6V2LC-5W  PJESD6V8LC-5W	V <sub>CL(R)</sub>	notes 1 and 2 I <sub>PP</sub> =1.0A I <sub>PP</sub> =2.5A  I <sub>PP</sub> =1.0A I <sub>PP</sub> =2.5A  I <sub>PP</sub> =1.0A I <sub>PP</sub> =2.5A	- -  - -  - -	- -  - -  - -	10 12  10 12  10 12	V
Differential resistance PJESD5V6LC-5W PJESD6V2LC-5W PJESD6V8LC-5W	rdiff	I <sub>R</sub> =1mA	- - -	- - -	200 150 100	Ω



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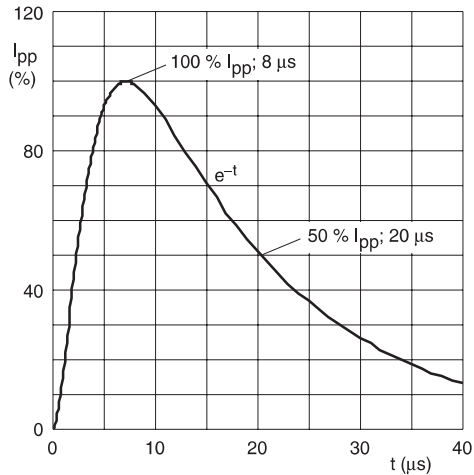
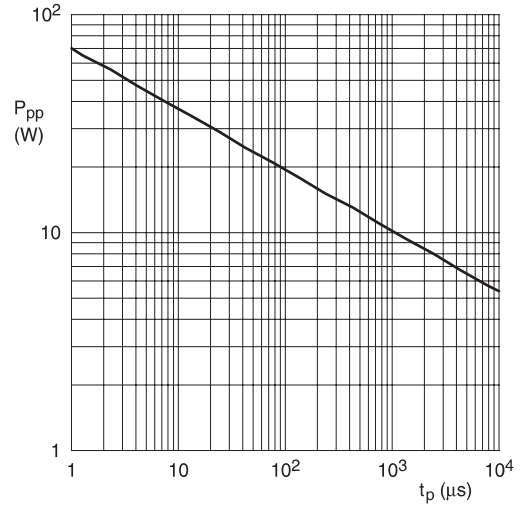


Fig.1 8/20 μs pulse waveform according to IEC 61000-4-5.



$T_{amb} = 25\text{ }^{\circ}\text{C}$ .

$I_{pp} = 8/20\text{ }\mu\text{s}$  exponentially decaying waveform; see Fig.1.

Fig.2 Peak pulse power dissipation as a function of pulse time; typical values.

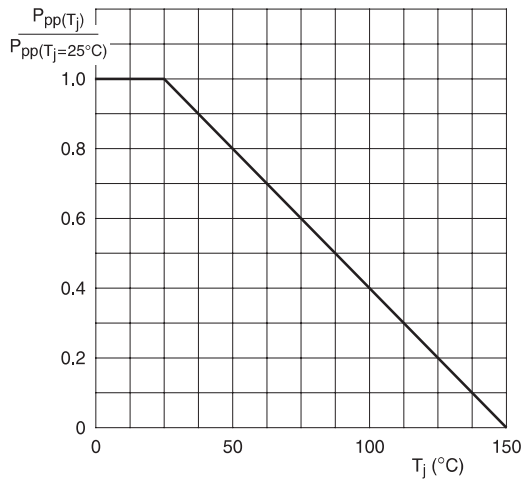


Fig.3 Relative variation of peak pulse power as a function of junction temperature; typical values.

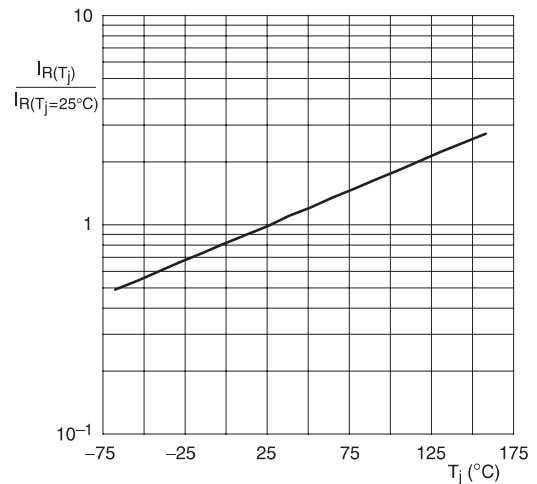
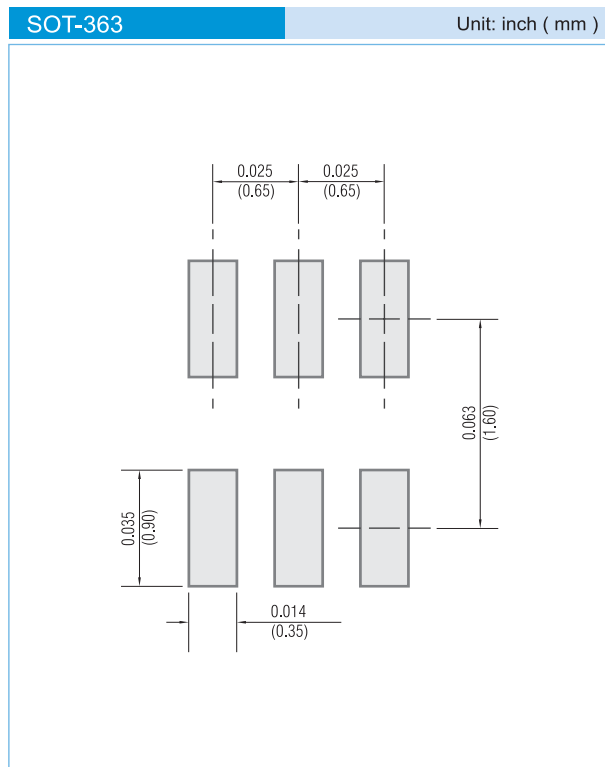


Fig.4 Relative variation of reverse leakage current as a function of junction temperature; typical values.



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## MOUNTING PAD LAYOUT



## ORDER INFORMATION

- Packing information
  - T/R - 10K per 13" plastic Reel
  - T/R - 3K per 7" plastic Reel

## LEGAL STATEMENT

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