



PJQA6V8C

ESD Protection diode

VOLTAGE 5.0 Volts **POEWR** 150 Watts

FEATURES

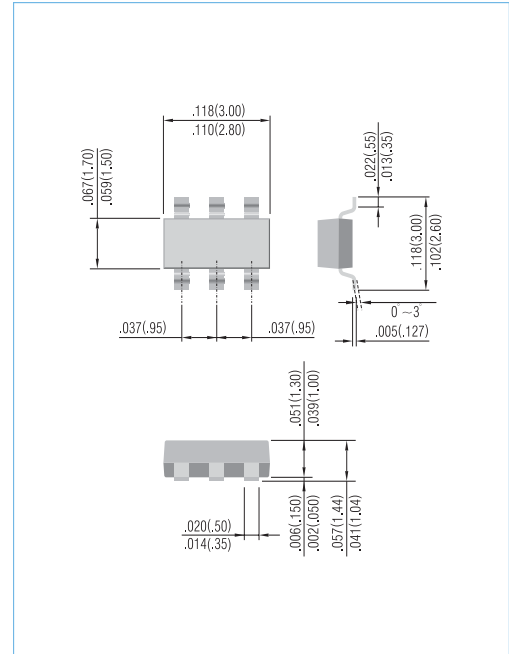
- ESD Protection
- Small mold type
- Silicon epitaxial planar
- In compliance with EU RoHS 2002/95/EC directives

MECHANICAL DATA

Case: SOT23-6L Molded plastic

Terminals: Solder plated, solderable per MIL-STD-750, Method 2026

SOT23-6L Unit: inch (mm)



ABSOLUTE MAXIMUM RATINGS (TA=25°C)

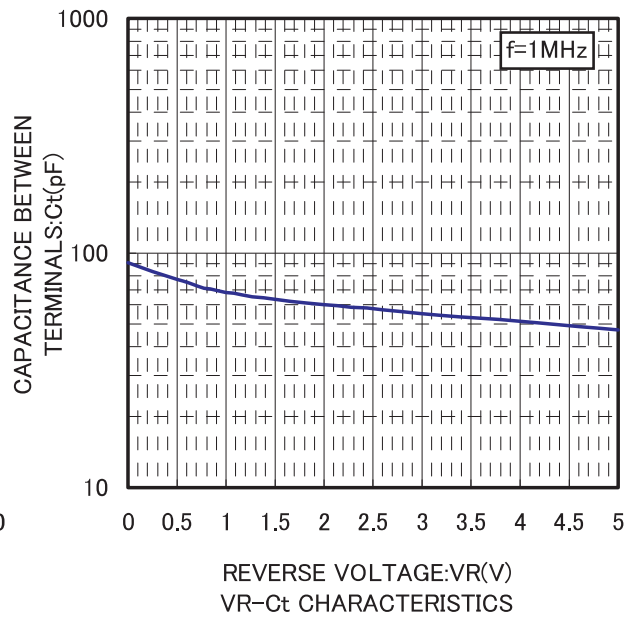
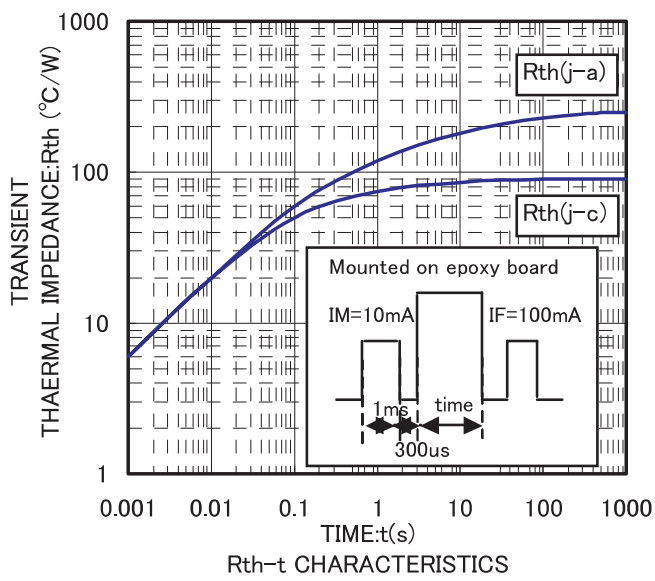
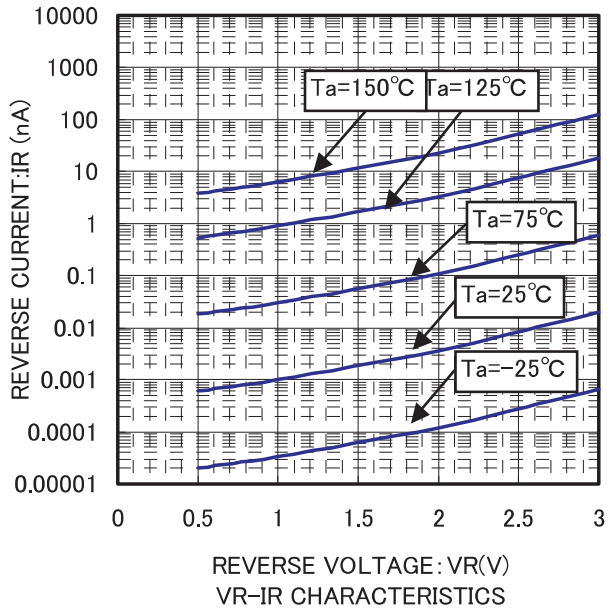
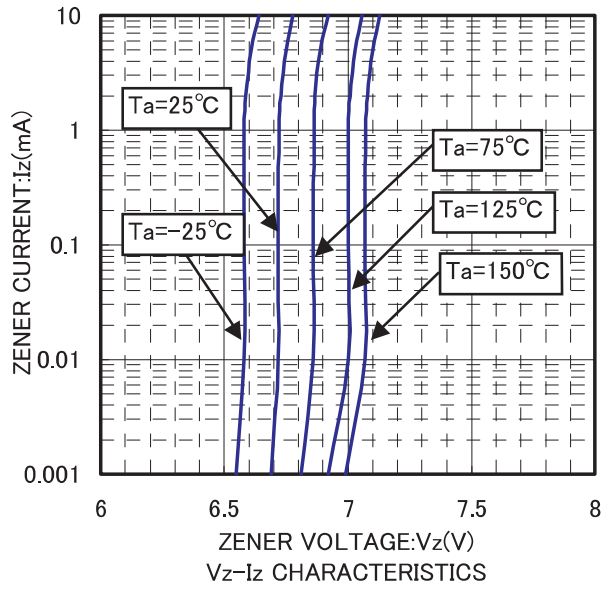
Parameter	Symbol	Limits	Unit
Power dissipation	P	200	mW
Peak Pulse Power-1(tp=10 x 1000us)	P _{PK}	30	mW
Peak Pulse Power-2(tp=8 x 20us)	P _{PK}	150	mW
Junction temperature	T _J	150	°C
Storage temperature	T _{STG}	-55 to + 150	°C

ELECTRICAL CHARACTERISTICS (TA=25°C)

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Zener voltage	V _Z	6.1	-	7.2	V	I _Z = 1mA
Reverse current	I _R	-	-	1	μA	V _R = 5.0V
Forward current	V _F	-	-	1.25	V	I _F = 200mA
Junction capacitance	C _T	-	-	240	pF	V _R = 0V, f = 1MHz



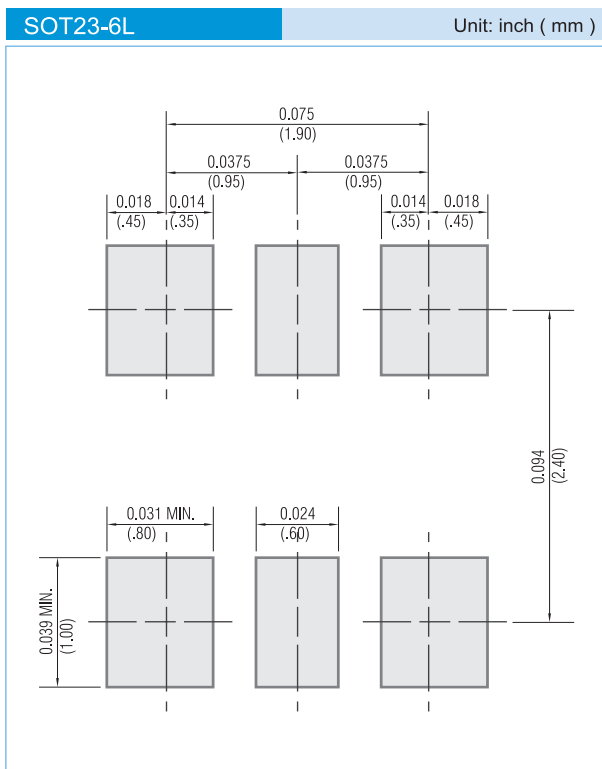
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MOUNTING PAD LAYOUT



ORDER INFORMATION

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

LEGAL STATEMENT

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