

DL20B-33F2

TVS 41A, 2000W

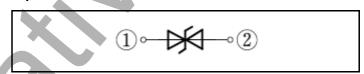
Feature

- Peak pulse power:2000W
- Bi-directional
- SMD
- · High Speed
- · Narrow clamp voltage width
- · Pb free terminal
- · RoHS:Yes

OUTLINE



Equivalent circuit



Absolute Maximum Ratings (unless otherwise specified : TI=25°C)

Item	Symbol	Conditions	Ratings	Unit
Storage temperature	Tstg		-55 to 175	°C
Operating junction temperature	Tj		-55 to 175	°C
Maximum surge reverse current	I _{RSM}	10/1000μs, Non-repetitive *	41	Α
Maximum surge reverse power	P _{RSM}	10/1000μs, Non-repetitive	2000	W
Continuous (direct) reverse voltage	V _{R(DC)}		25	V

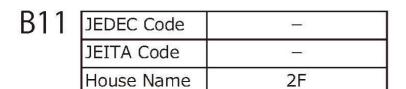
^{* :} See the original Specifications

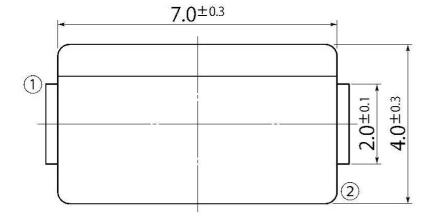
Electrical Characteristics (unless otherwise specified : Tl=25°C)

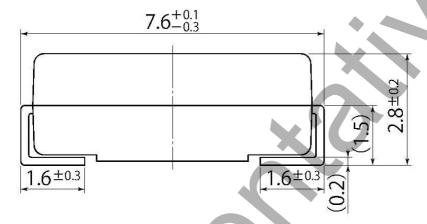
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	Oilit
Breakdown voltage	V_{BR}	IR=1.0mA	31		35	V
Reverse current	I _R	VR=25V, Pulse measurement			5	μΑ
Electrostatic discharge capability	V _{ESD}	C=330pF, R=330Ω, Polarity±, Aerial discharge *		30		kV
Thermal resistance	Rth(j-l)	Junction to lead *			23	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, On glass-epoxy substrate *			115	°C/W

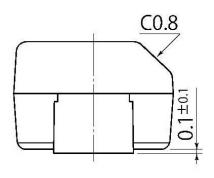
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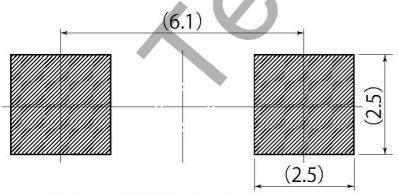
unit:mm











Referential Soldering Pad

Notes

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[Special applications]

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(Specific applications)

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