

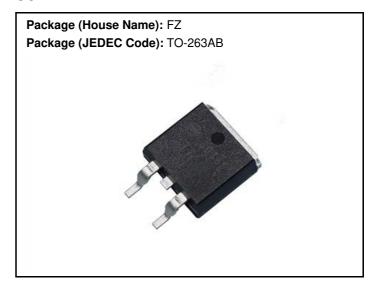
ST70-27FZ

TVS 180A, 7000W

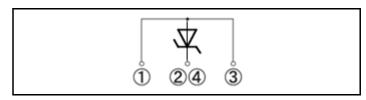
Feature

- Peak pulse power:7000W
- SMD
- · Based on AEC-Q101
- · Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit



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

Item	Symbol	Conditions	Ratings	
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 *	180	Α
Maximum surge reverse power	P _{RSM}	10/1000μs, Non-repetitive *	7000	W
Continuous (direct) reverse voltage	V _{R(DC)}		23	V

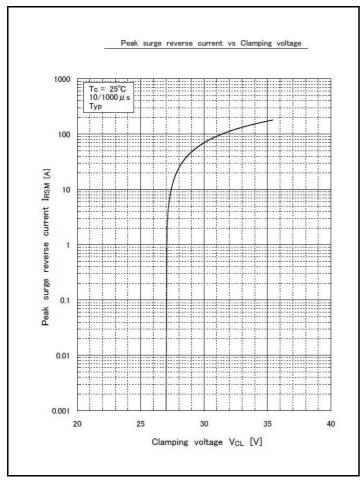
^{* :}See the original Specifications

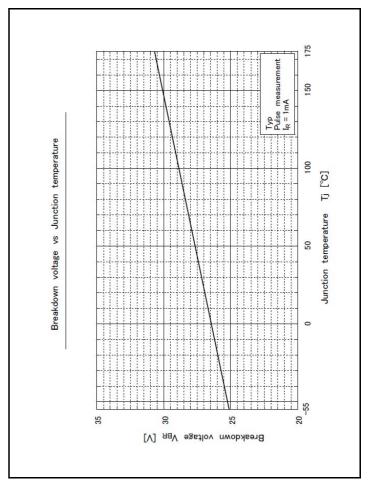
Electrical Characteristics (unless otherwise specified : Tc=25°C)

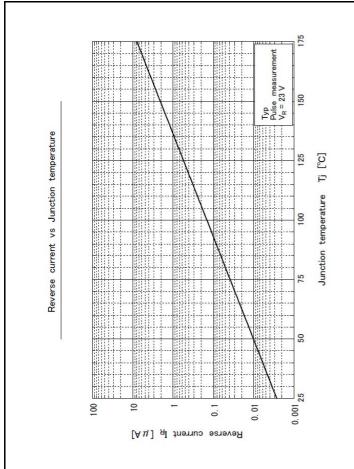
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	O.m.
Breakdown voltage	V_{BR}	IR=1mA, Pulse measurement	25		29	V
Reverse current	I _R	VR=23V, Pulse measurement			5	μΑ
Thermal resistance	Rth(j-c)	Junction to case, With heatsink			0.6	°C/W

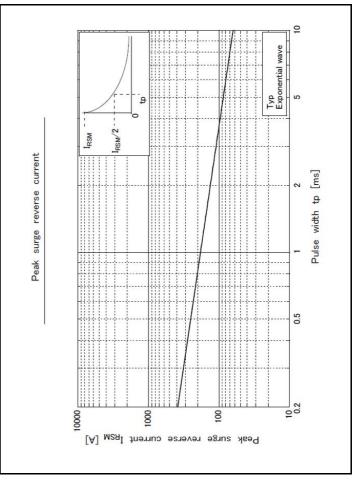
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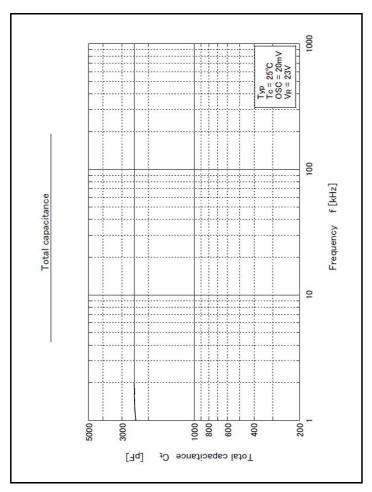
CHARACTERISTIC DIAGRAMS

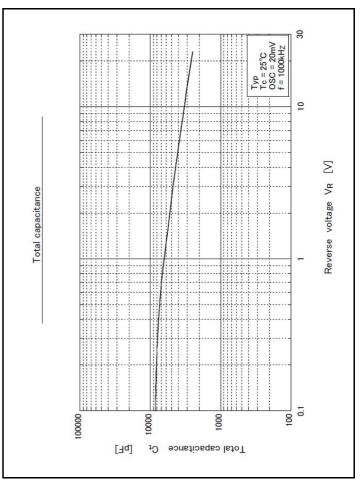


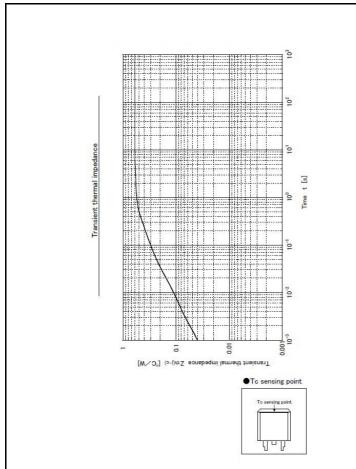






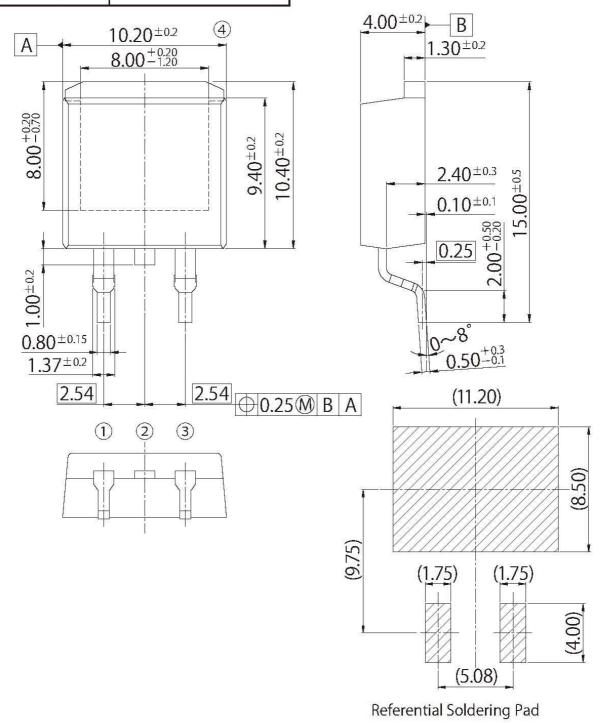






H6

JEDEC Code	TO-263AB		
JEITA Code	_		
House Name	FZ		



[•] Optimize soldering pad to the board design and soldering condition.

Notes

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