

ST04-36F1

TVS

7.5A, 400W

Feature

- Peak pulse power:400W
- Small SMD
- Based on AEC-Q101
- Pb free terminal
- RoHS:Yes

OUTLINE

Package (House Name): 1F Package (JEDEC Code): DO-214AC



Equivalent circuit



Absolute Maximum Ratings (unless otherwise specified: Tl=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 ※	7.5	А
Maximum surge reverse power	P _{RSM}	10/1000μs, Non-repetitive ※	400	W
Continuous (direct) reverse voltage	$V_{R(DC)}$		27	V

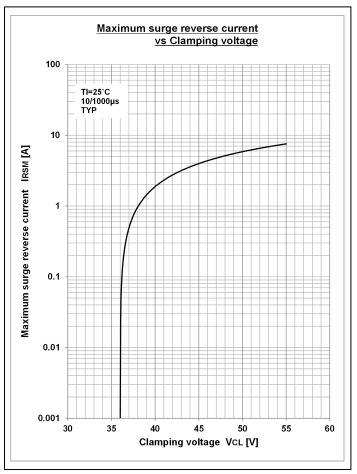
[※] ∶See the original Specifications

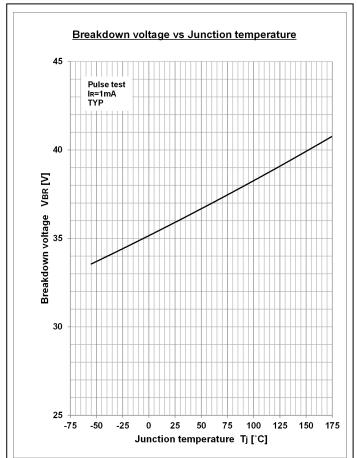
Electrical Characteristics (unless otherwise specified: Tl=25°C)

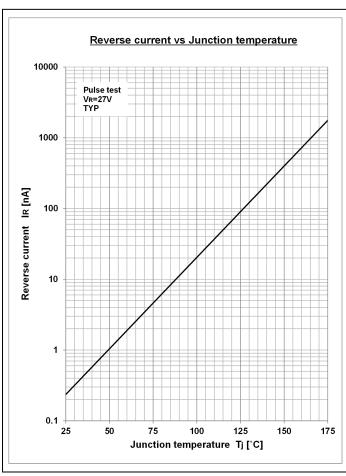
Item	Symbol	Conditions	Ratings			l lmit
			MIN	TYP	MAX	Unit
Breakdown voltage	V_{BR}	IR=1mA, Pulse measurement	34		38	٧
Reverse current	I _R	VR=27V, Pulse measurement			5	μΑ
Electrostatic discharge capability	V _{ESD}	C=330pF, R=330Ω, Polarity±, Aerial discharge ※		30		kV
Thermal resistance	Rth(j-l)	Junction to lead, On glass-epoxy substrate *			23	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, On glass-epoxy substrate *			157	°C/W

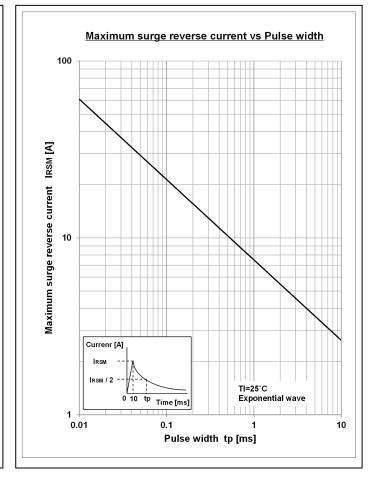
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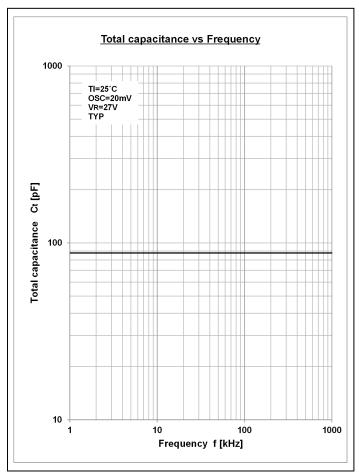
CHARACTERISTIC DIAGRAMS

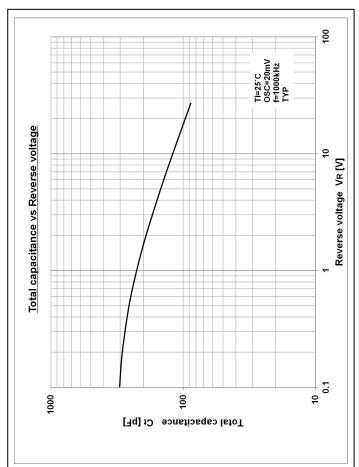


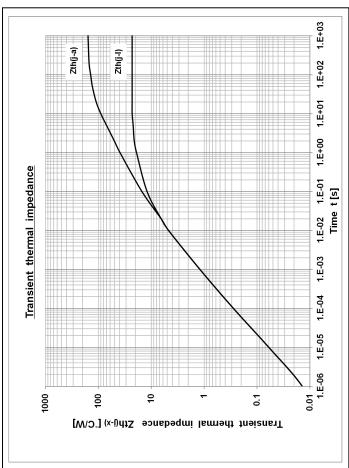










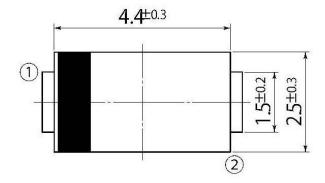


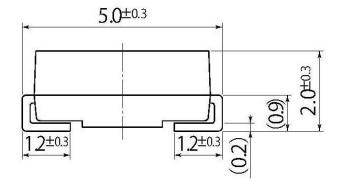
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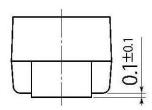
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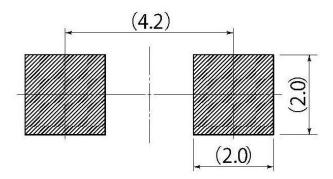
B3

JEDEC Code	DO-214AC	
JEITA Code	_	
House Name	1F, CF	









Referential Soldering Pad

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

Notes

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