

DL04-33F1

TVS
9.5A, 400W

Feature

- Peak pulse power:400W
- Bi-directional
- 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	IRSM	10/1000µs, Non-repetitive ※	9.5	A
Maximum surge reverse power	PRSM	10/1000µs, Non-repetitive ※	400	W
Continuous (direct) reverse voltage	VR(DC)		25	V

※ :See the original Specifications

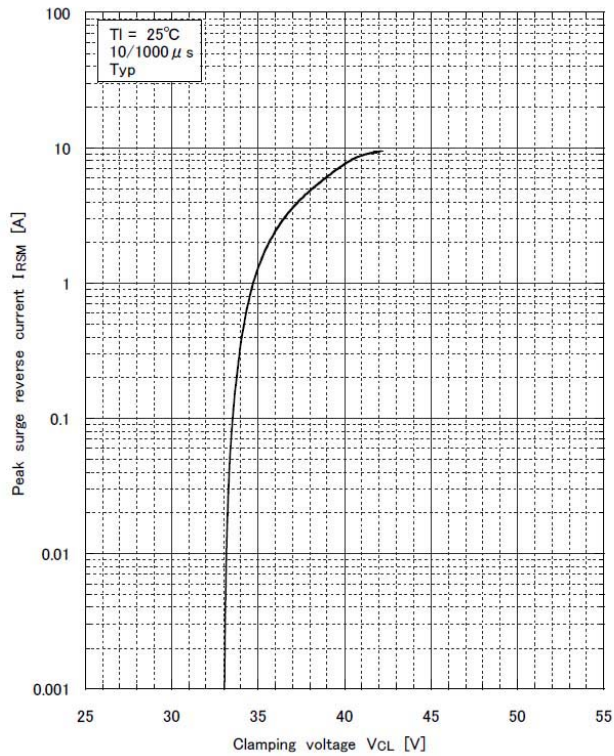
Electrical Characteristics (unless otherwise specified : Tl=25°C)

Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Breakdown voltage	VBR	IR=1mA, Pulse measurement	31		35	V
Reverse current	IR	VR=25V, Pulse measurement			5	µA
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

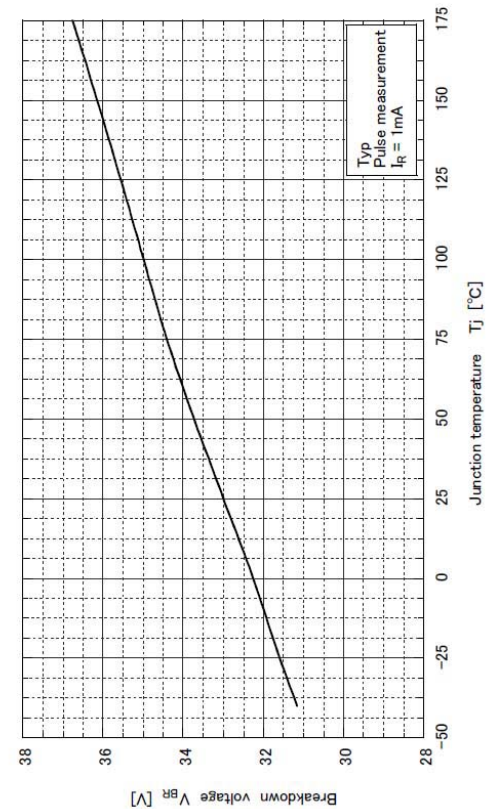
※ :See the original Specifications

CHARACTERISTIC DIAGRAMS

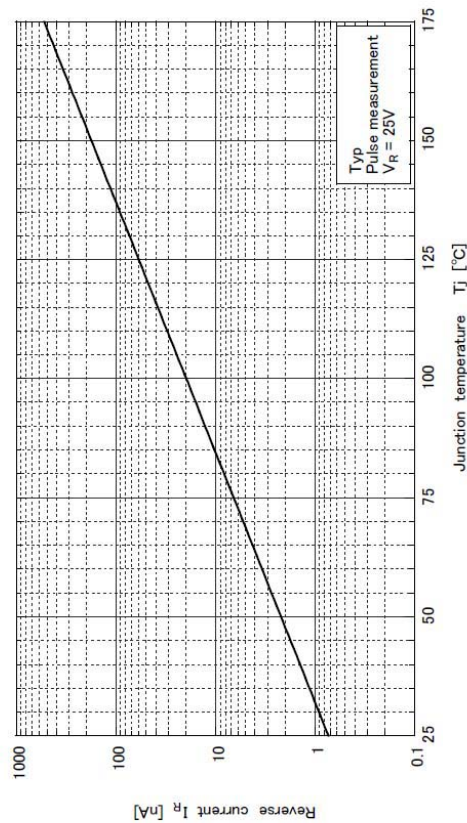
Peak surge reverse current vs Clamping voltage



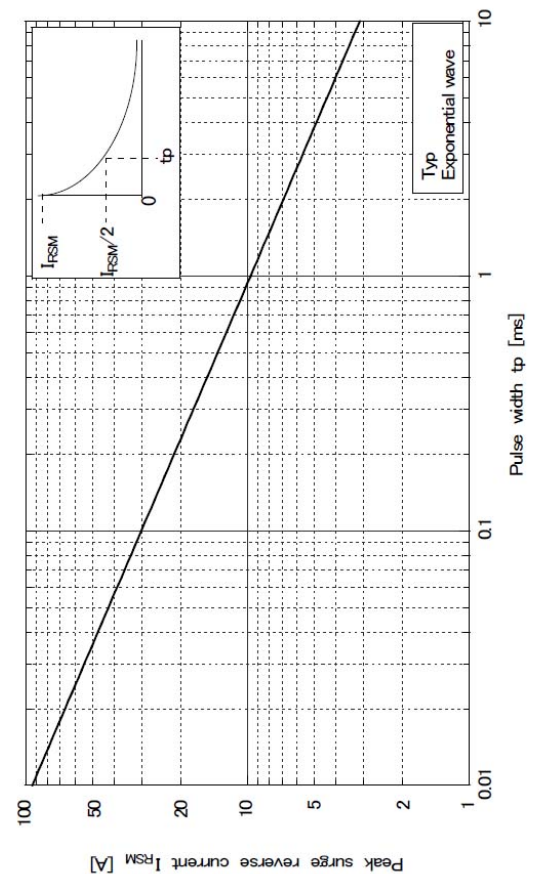
Breakdown voltage vs Junction temperature

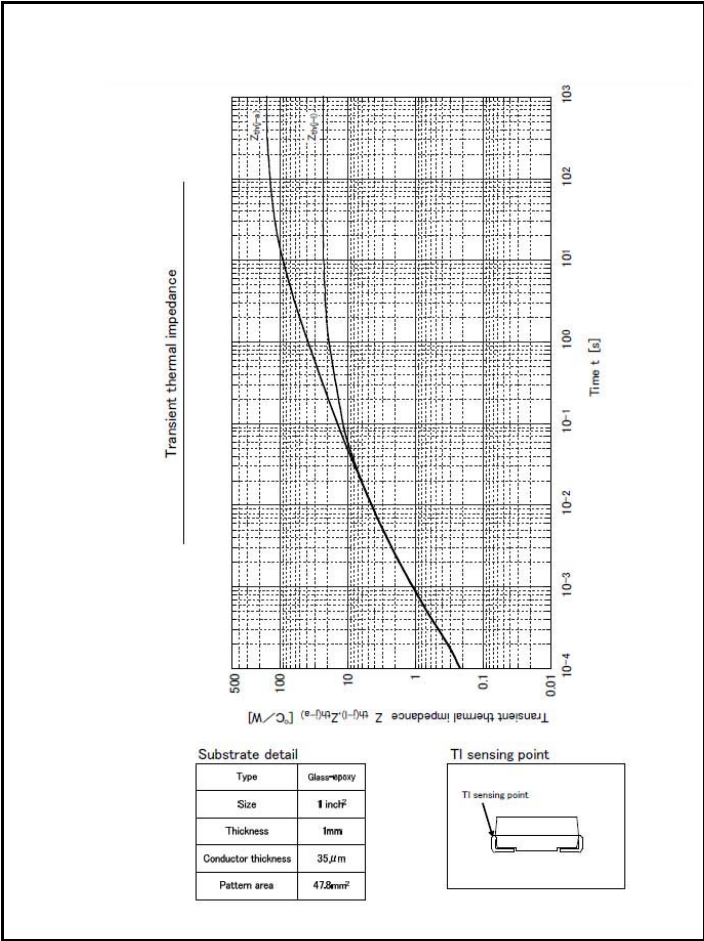
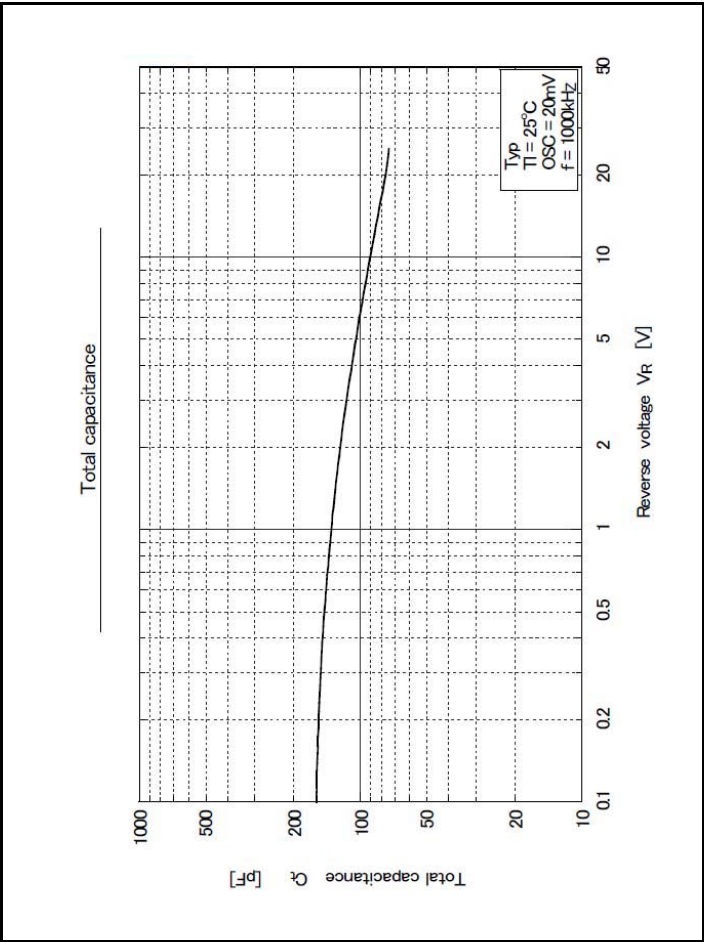
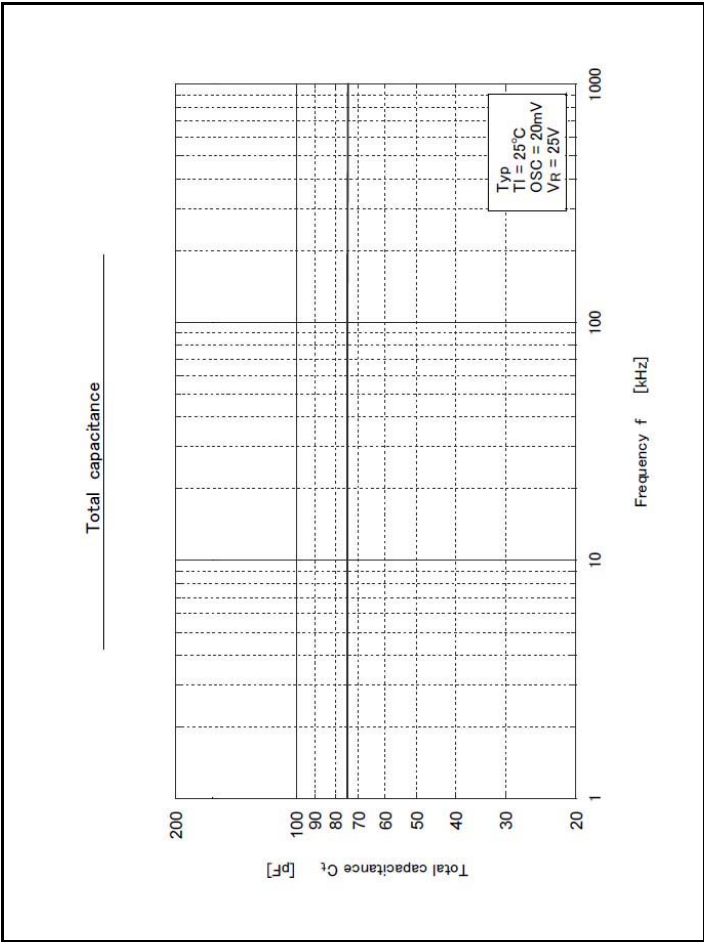


Reverse current vs Junction temperature



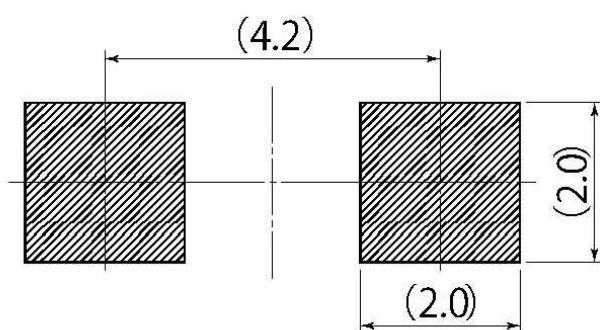
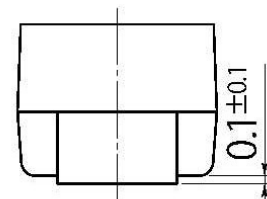
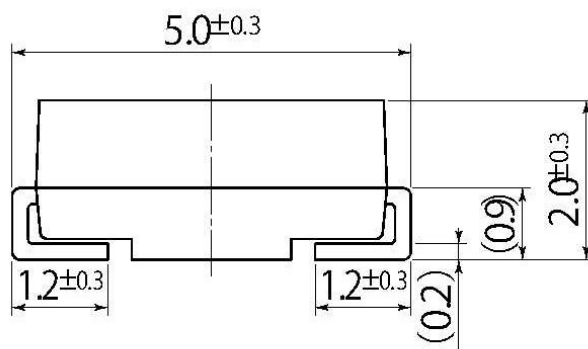
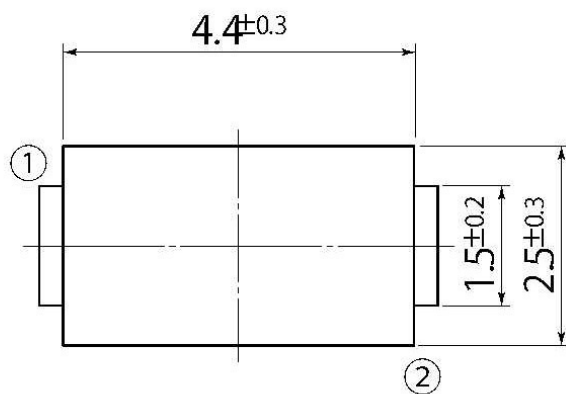
Peak surge reverse current





B4

JEDEC Code	DO-214AC
JEITA Code	—
House Name	1F



Referential Soldering Pad

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

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