

DL04-36F1

TVS
8.0A, 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 ※	8	A
Maximum surge reverse power	PRSM	10/1000μs, Non-repetitive ※	400	W
Continuous (direct) reverse voltage	VR(DC)		27	V

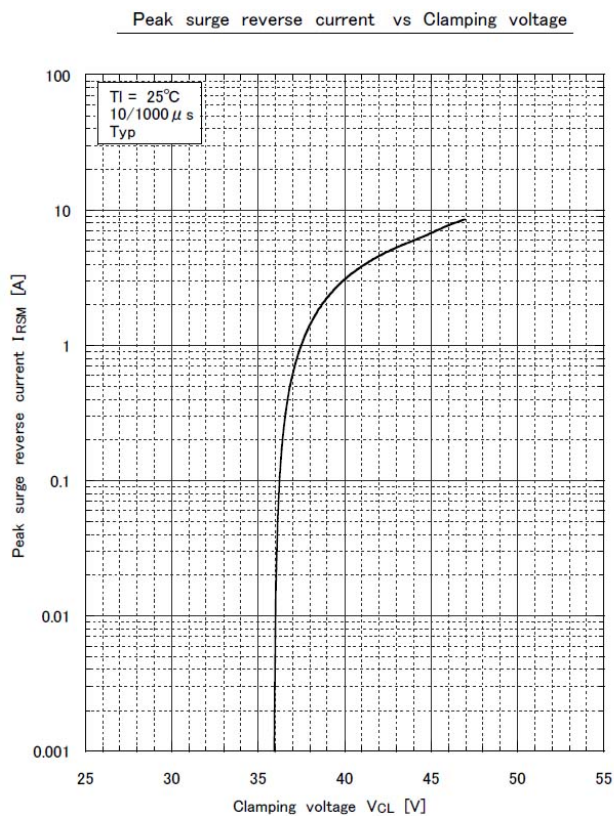
※ :See the original Specifications

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

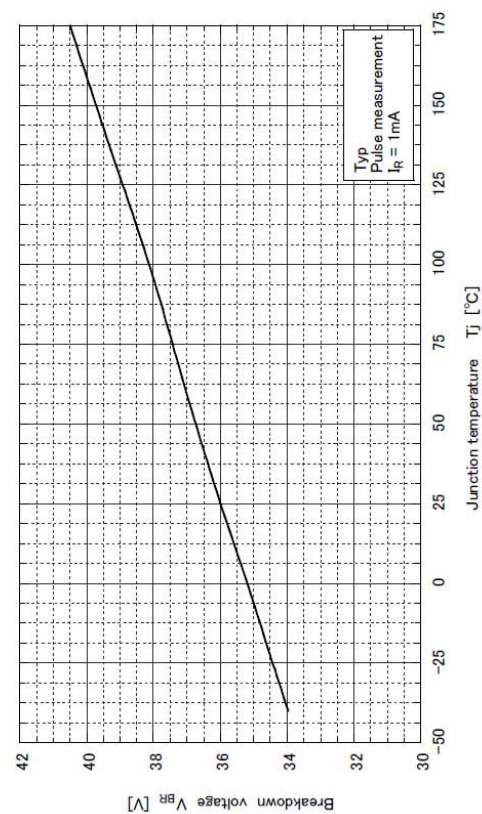
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Breakdown voltage	VBR	IR=1mA, Pulse measurement	34		38	V
Reverse current	IR	VR=27V, Pulse measurement			5	μA
Thermal resistance	Rth(j-l)	Junction to lead, On glass-epoxy substrate ※			23	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, On glass-epoxy substrate ※			157	°C/W

※ :See the original Specifications

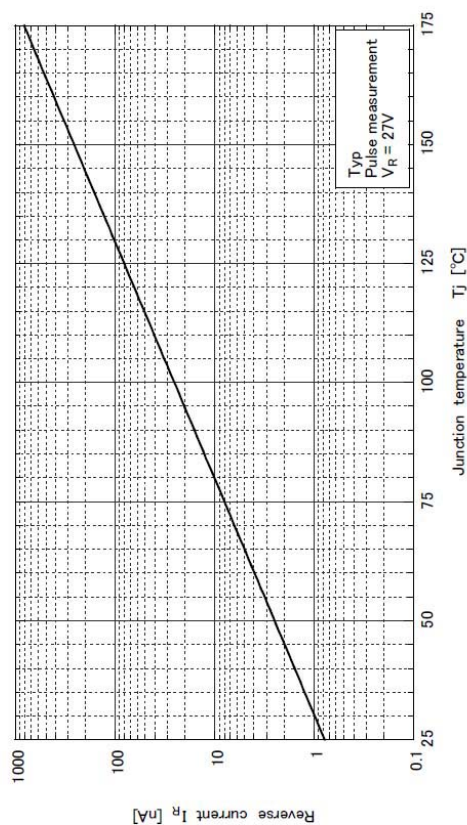
CHARACTERISTIC DIAGRAMS



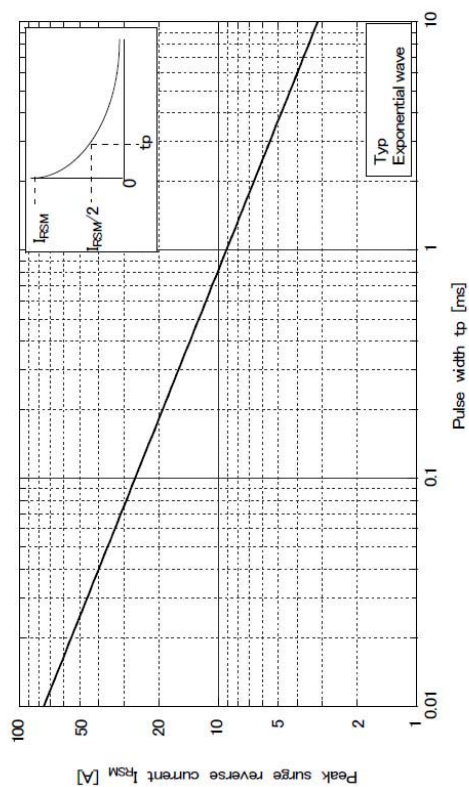
Breakdown voltage vs Junction temperature

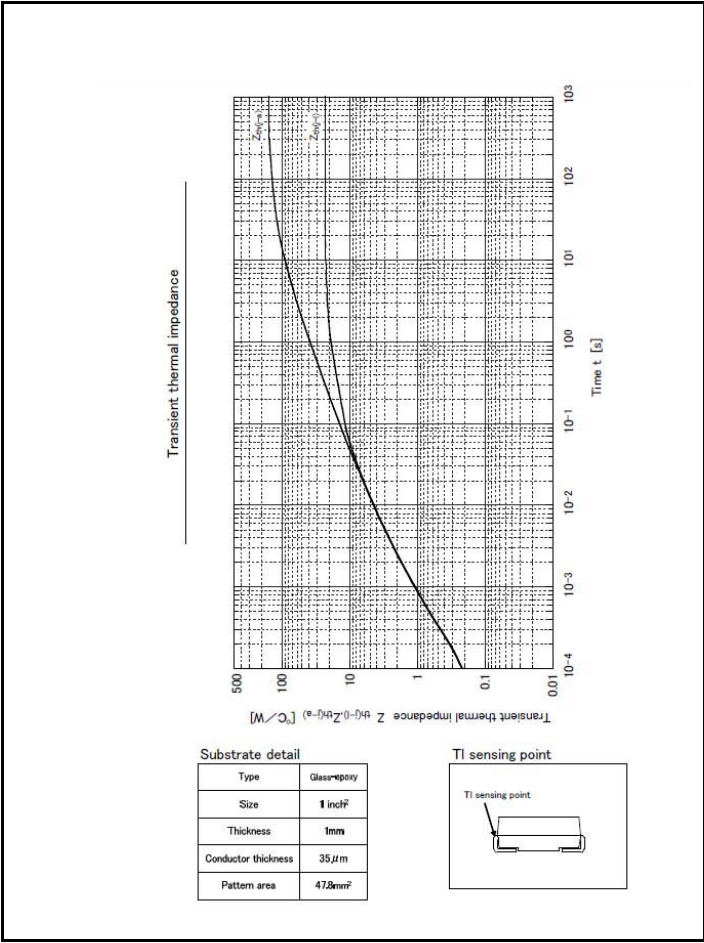
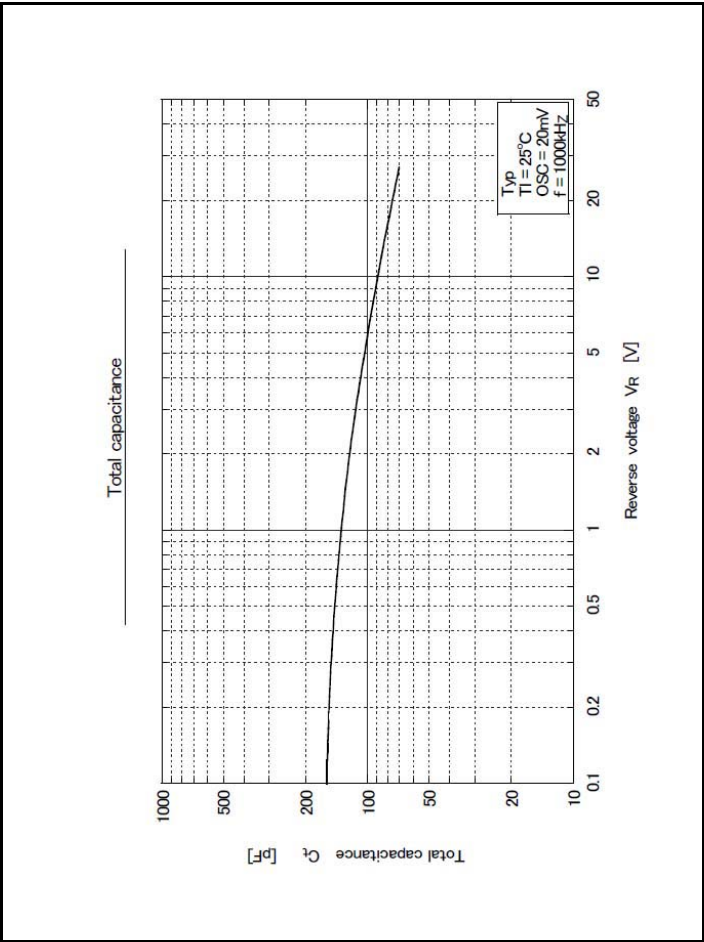
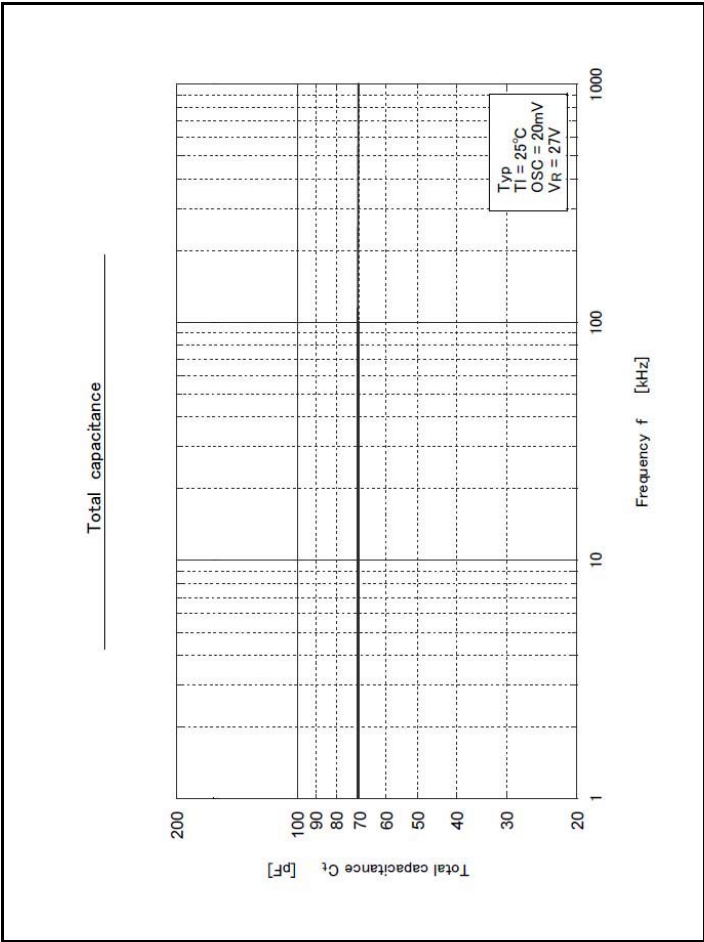


Reverse current vs Junction temperature



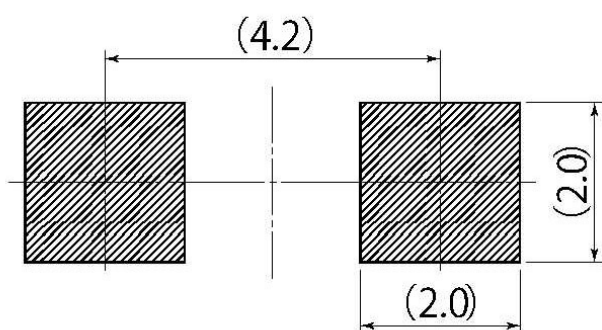
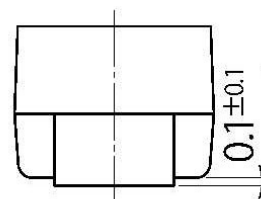
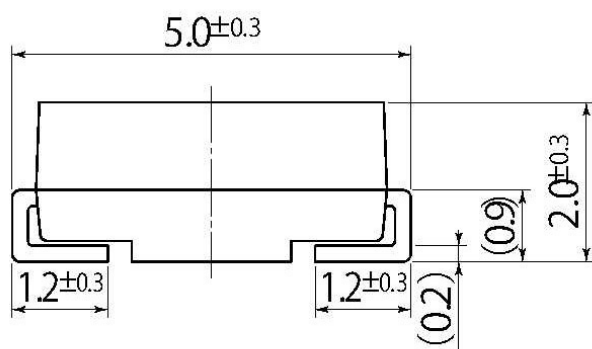
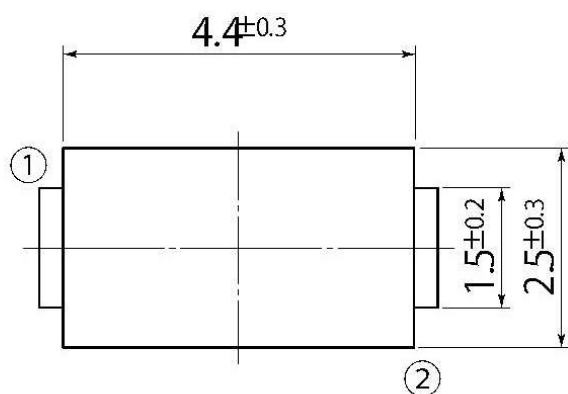
Peak surge reverse current





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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