

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 : $T_{l}=25^{\circ}\text{C}$)

Item	Symbol	Conditions	Ratings	Unit
Storage temperature	T_{stg}		-55 to 175	$^{\circ}\text{C}$
Operating junction temperature	T_j		-55 to 175	$^{\circ}\text{C}$
Maximum surge reverse current	I_{RSM}	10/1000 μs , Non-repetitive \ddagger	8	A
Maximum surge reverse power	P_{RSM}	10/1000 μs , Non-repetitive \ddagger	400	W
Continuous (direct) reverse voltage	$V_{R(\text{DC})}$		27	V

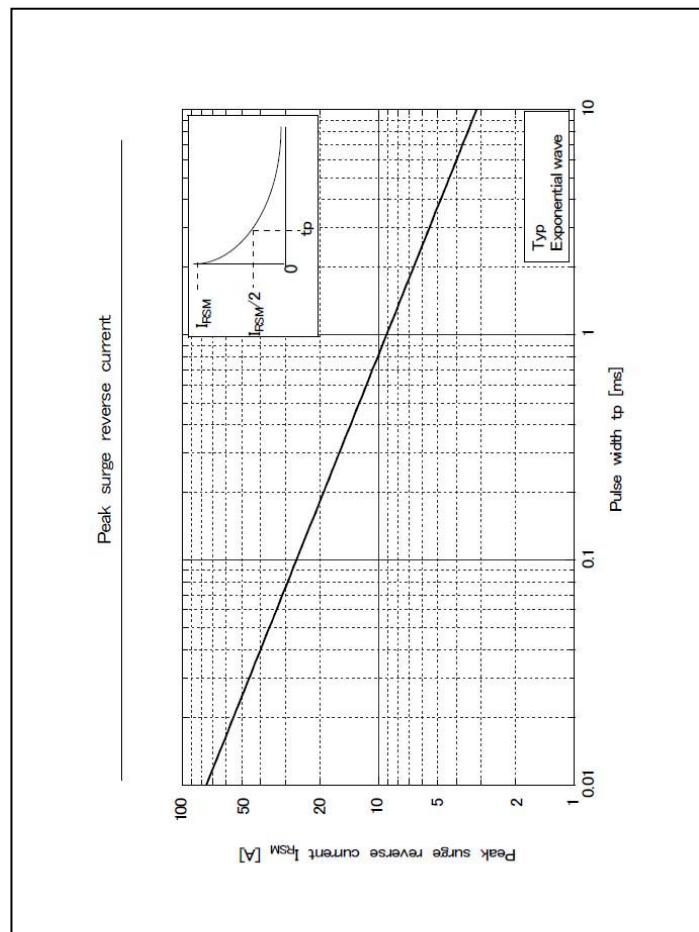
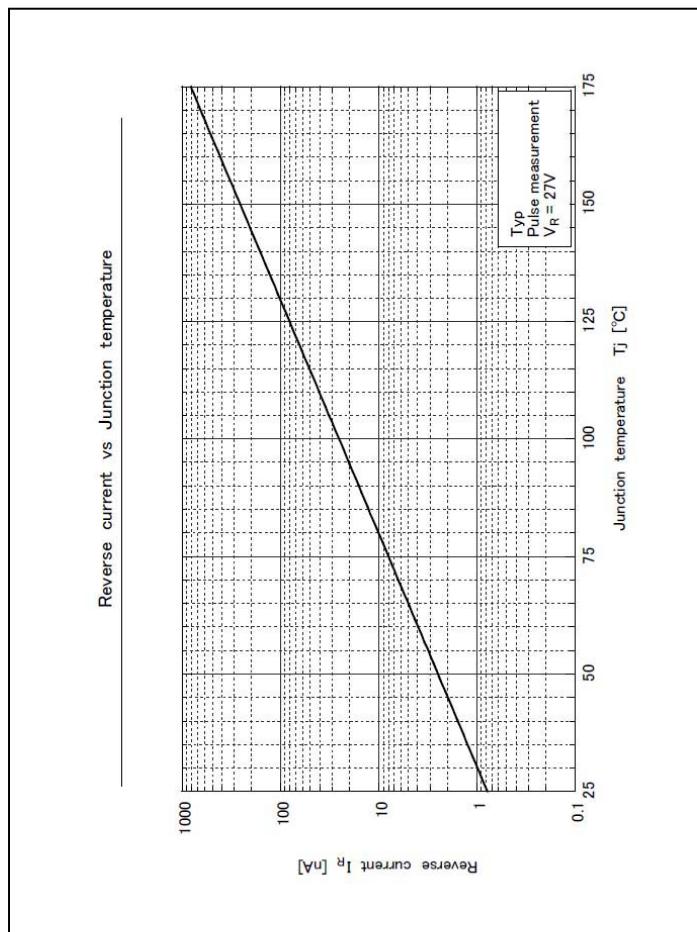
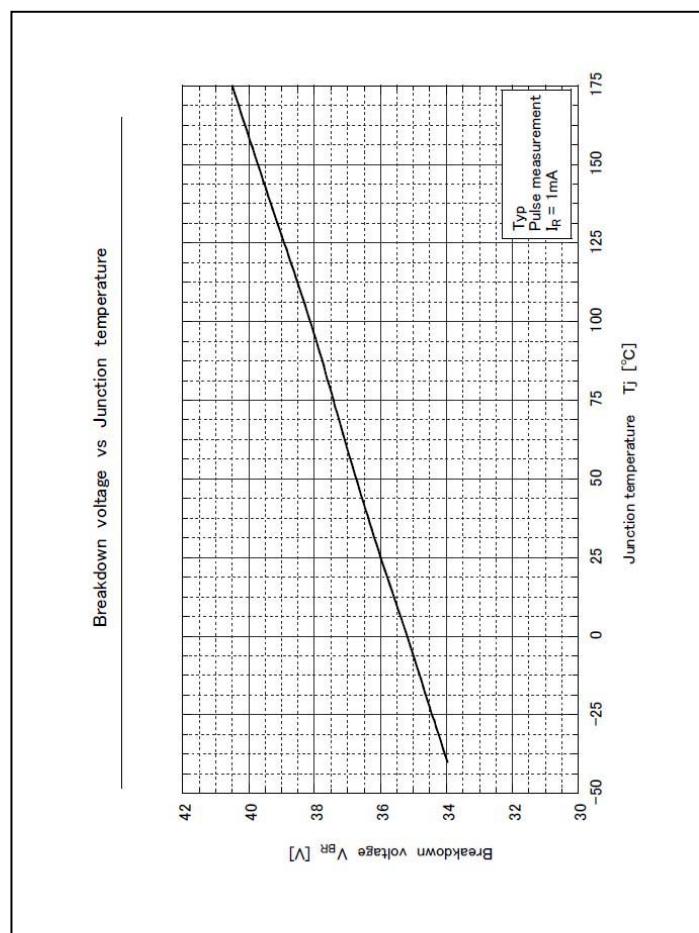
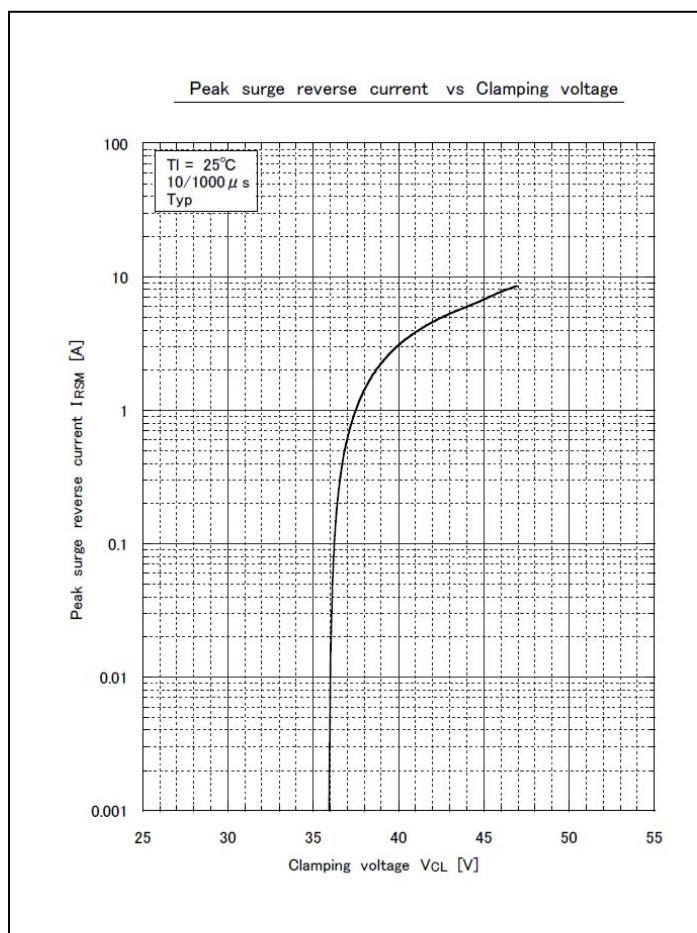
\ddagger : See the original Specifications

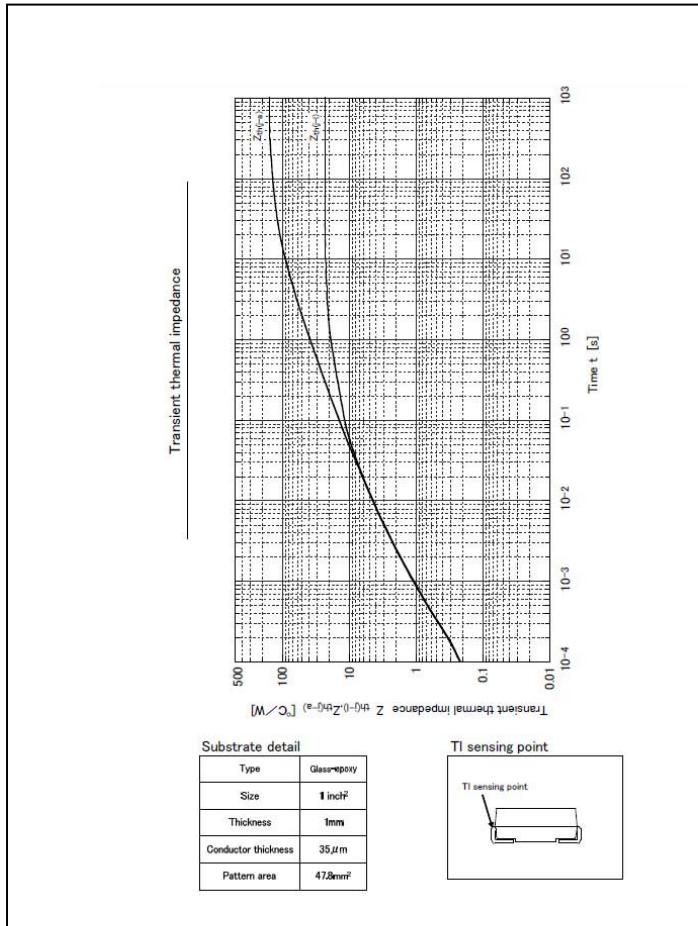
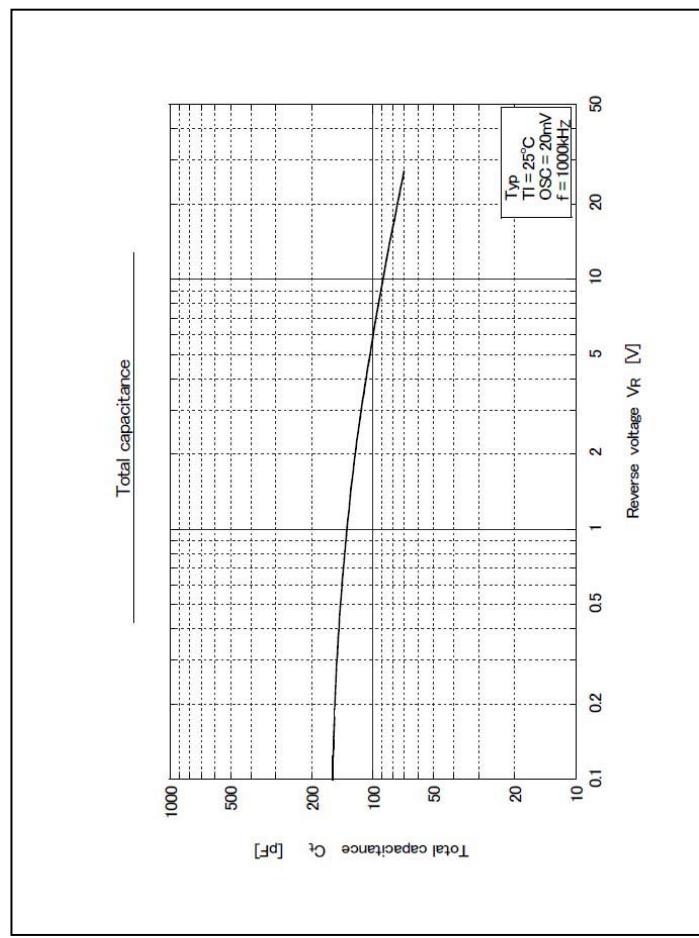
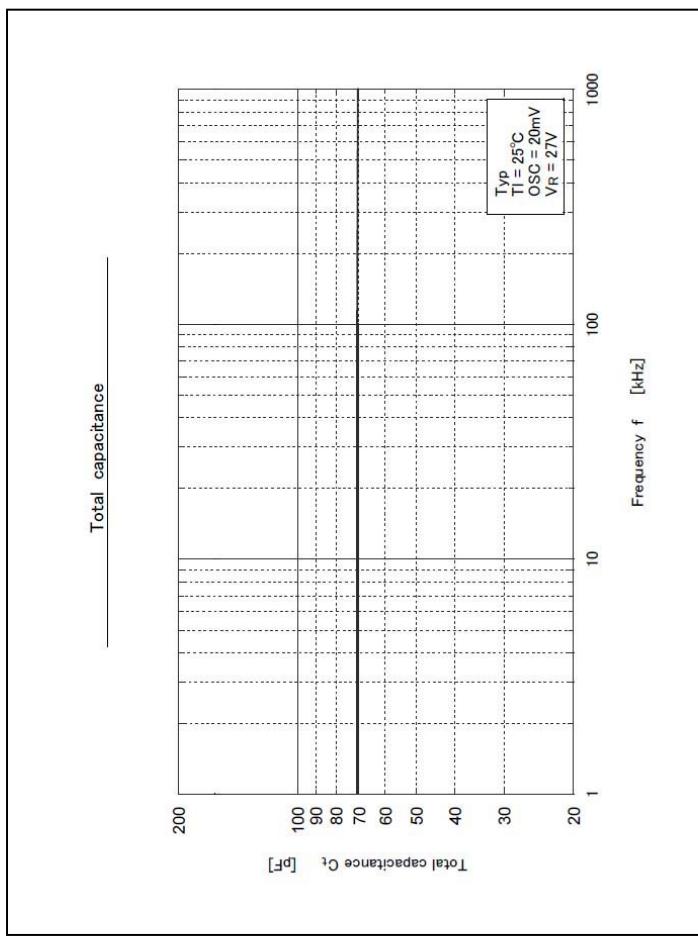
Electrical Characteristics (unless otherwise specified : $T_{l}=25^{\circ}\text{C}$)

Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Breakdown voltage	V_{BR}	$IR=1\text{mA}$, Pulse measurement	34		38	V
Reverse current	I_R	$VR=27\text{V}$, Pulse measurement			5	μA
Thermal resistance	$R_{th(j-l)}$	Junction to lead, On glass-epoxy substrate \ddagger			23	$^{\circ}\text{C/W}$
Thermal resistance	$R_{th(j-a)}$	Junction to ambient, On glass-epoxy substrate \ddagger			157	$^{\circ}\text{C/W}$

\ddagger : See the original Specifications

CHARACTERISTIC DIAGRAMS





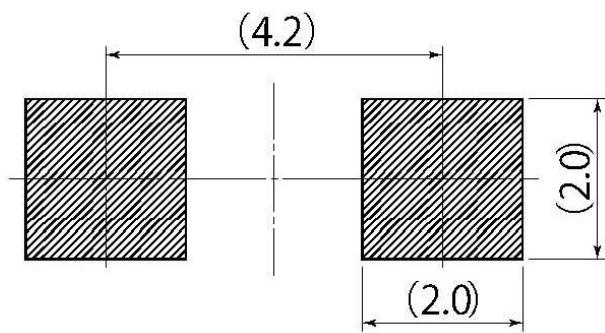
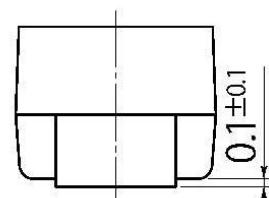
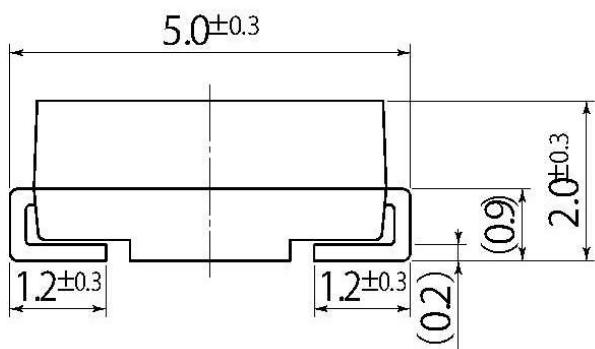
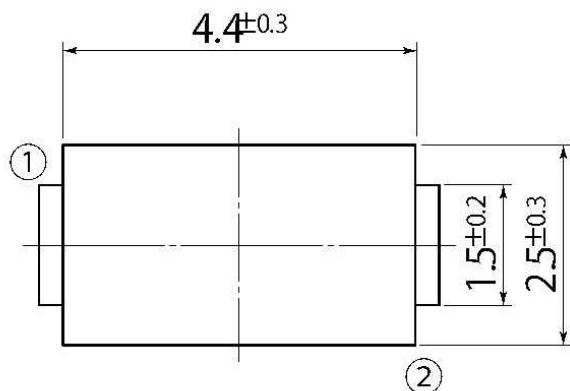
Outline Dimensions

unit:mm

scale: 10/1

B4

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



Referential Soldering Pad

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

Notes

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