

KL3Z07

Thyristor Surge Suppressors 5V, 30A

Feature

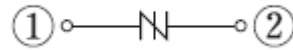
- Bi-directional characteristic
- High-speed response characteristic
- Large surge current capacity
- Capable of repeated use for surges
- Pb free terminal
- RoHS:Yes

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	T _{stg}		-40 to 125	°C
Junction temperature	T _j		125	°C
Repetitive peak reverse voltage	V _{DRM}		5	V
Peak surge on-state current	I _{TSM}	10/1000μs, Non-repetitive	30	A
Peak surge on-state current	I _{TSM}	10/200μs, Non-repetitive	60	A
Peak surge on-state current	I _{TSM}	8/20μs, Non-repetitive	150	A

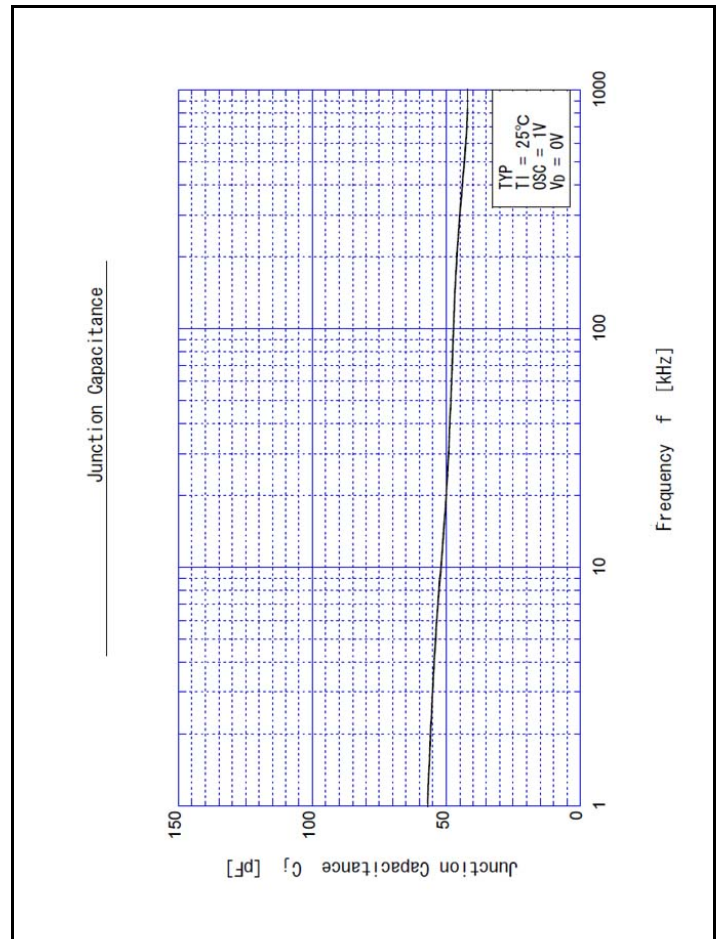
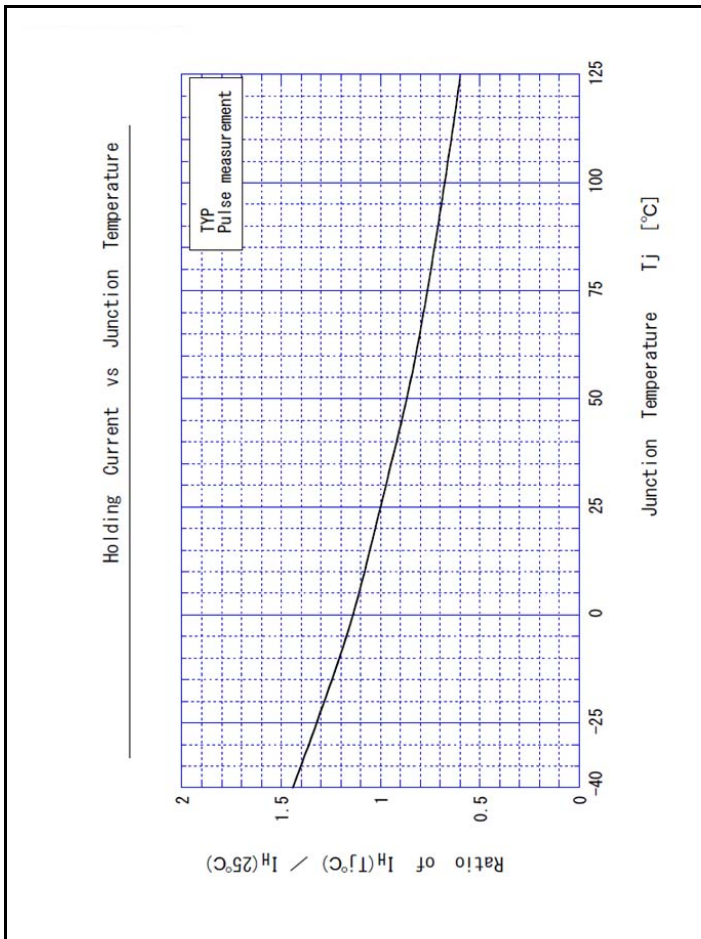
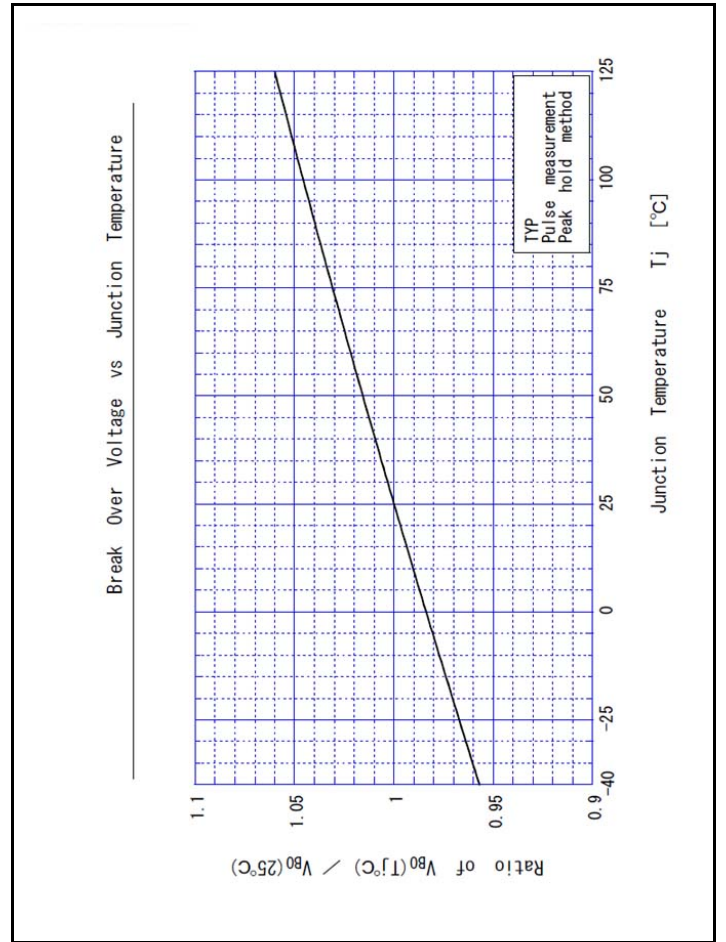
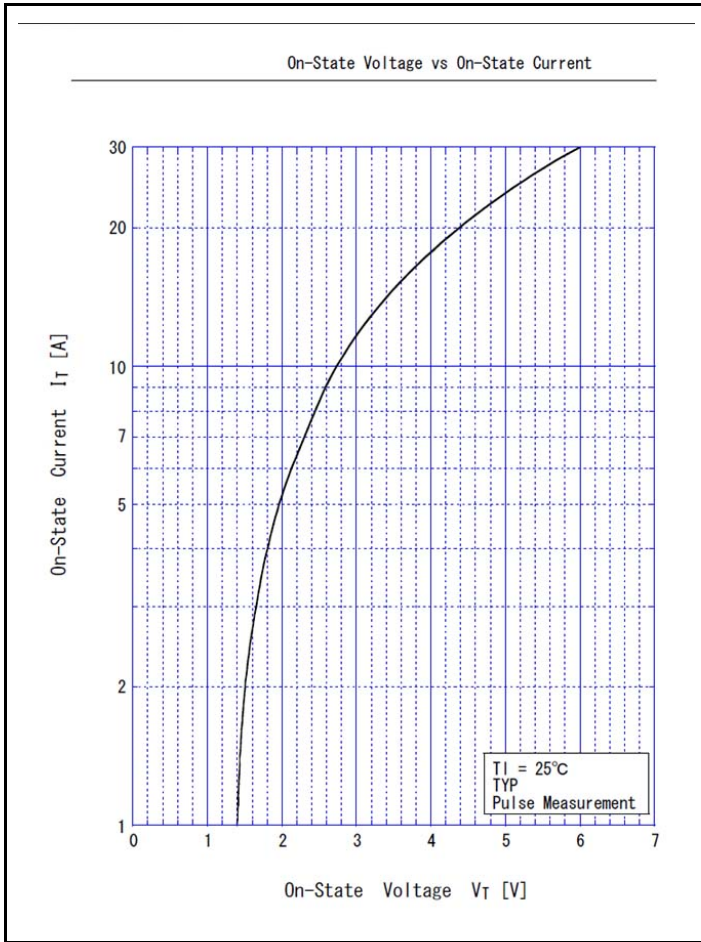
* : See the original Specifications

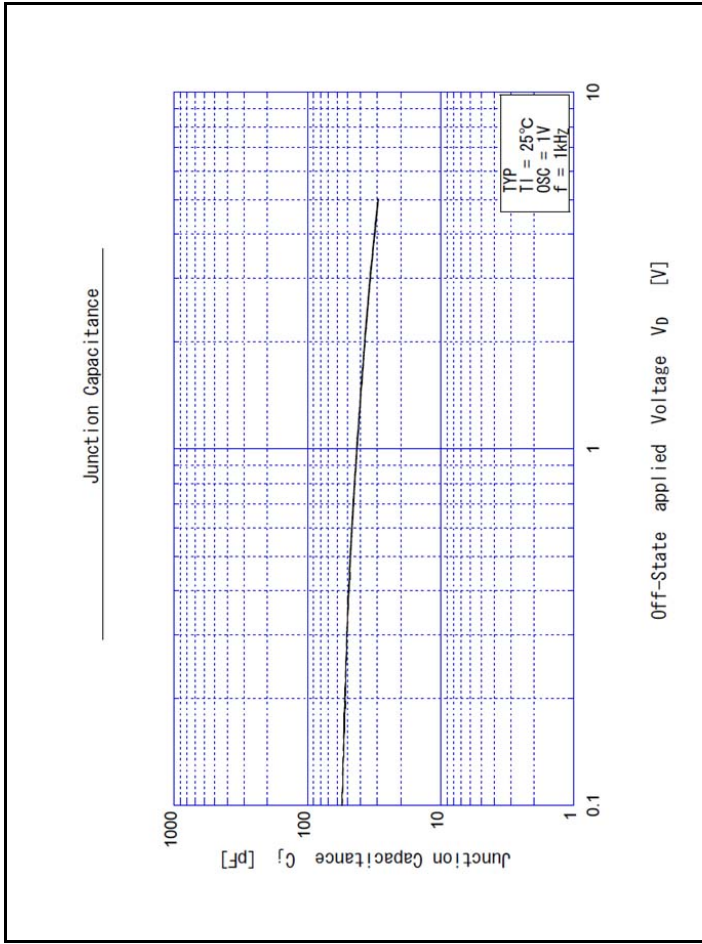
Electrical Characteristics (unless otherwise specified : Tl=25°C)

Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Breakdown voltage	V _{BR}	Pulse measurement	5.5			V
Off-state current	I _{DSM}	VD=5V			10	μA
Holding current	I _H	Pulse measurement	50			mA
On-State Voltage	V _T	IT=1A		1.4		V

* : See the original Specifications

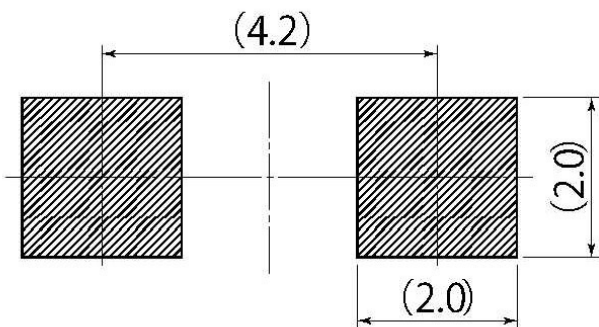
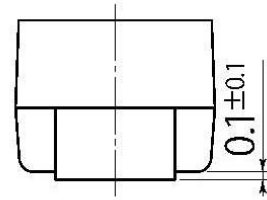
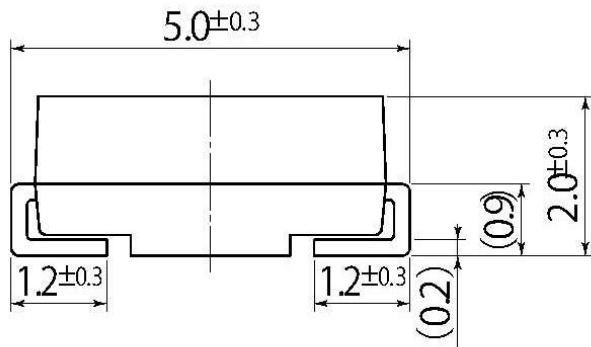
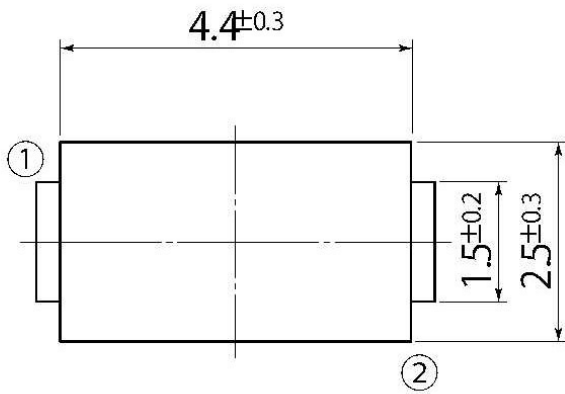
CHARACTERISTIC DIAGRAMS





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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