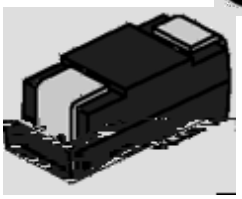
P4200TC TSS

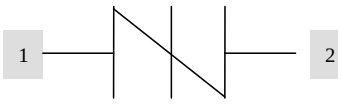
Rev.1.2

P4200TC is a type of semiconductor component.
It is designed to protect baseband equipment
from damaging overvoltage transients.



SMA

- Low profile package.
- Low on-state voltage.
- Excellent capability of absorbing transient surge.
- Quick response to surge voltage (ns Level).
- Eliminates overvoltage caused by fast rising transients.
- Moisture sensitivity level: Level 1.
- IEC61000-4-2 (ESD) ±30kV (air), ±30kV (contact).
- Non degenerative.



Symbol

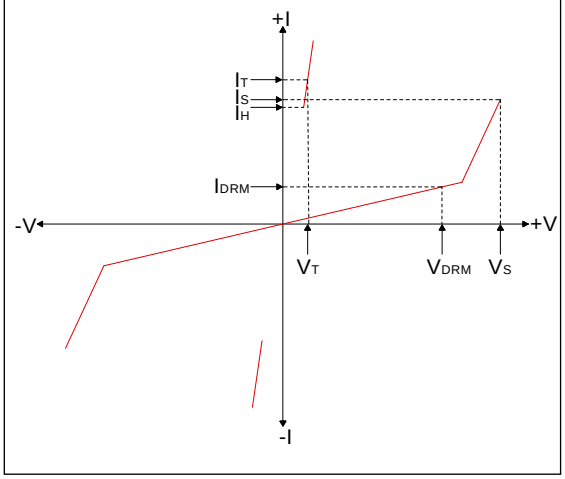
(T_A=25ºC, RH=45%-75%, unless otherwise noted)

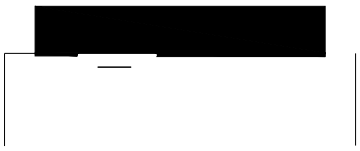
Parameter	Symbol	Value	Unit
Storage temperature range	T_{STG}	-60 to +150	
Operating junction temperature range	T_J	-40 to +125	
Repetitive peak pulse current@10/1000μs	I_{PP}	100	A

(T_A=25)

Symbol	Parameter
V_{DRM}	Peak off-state voltage
I_{DRM}	Off-state current
V_S	Switching voltage
I_S	Switching current
V_T	On-state voltage
I_T	On-state current
I_H	Holding current
C_O	Off-state capacitance

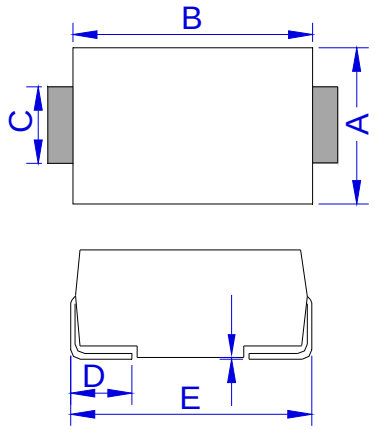
V I Curve





Reflow Condition		Pb-Free assembly (see FIG.2)
Pre Heat	-Temperature Min ($T_{s(min)}$)	+150
	-Temperature Max($T_{s(max)}$)	+200
	-Time (Min to Max) (ts)	60-180 secs.
Average ramp up rate (Liquidus Temp (T_L)to peak)		3 /sec. Max
$T_{s(max)}$ to T_L - Ramp-up Rate		3 /sec. Max
Reflow	-Temperature(T_L) (Liquidus)	+217
	-Temperature(t_L)	60-150 secs.
Peak Temp (T_p)		+260(+0/-5)
Time within 5 of actual Peak Temp (t_p)		30secs.Max
Ramp-down Rate		6 /sec. Max

Time 25 to Peak Temp (T_P) t



DO-214AC (SMA)

Ref.	Dimensions			
	Millimeters		Inches	
	Min.			
A	2.60			
B	4.15			
C	1.25			
D	0.95			
E	4.90			
F	0.051			
G	0.15			

Information furnished in this document is believed to be accurate and reliable. However, Jiangsu JieJie Microelectronics Co.,Ltd assumes no responsibility for the consequences of use without consideration for such information nor use beyond it. Information mentioned in this document is subject to change without notice, apart from that when an agreement is signed, Jiangsu JieJie complies with the agreement. Products and information provided in this document have no infringement of patents. Jiangsu JieJie assumes no responsibility for any infringement of other rights of third parties which may result from the use of such products and information.
This document is the 1.2nd version which is made in 7-Aug.-2021. This document supersedes and replaces all information previously supplied.