



GP8800SC TSS

Rev.3.2

DESCRIPTION:

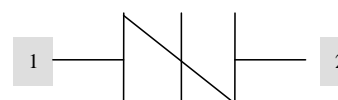
GP8800SC thyristors are a type of semiconductor component. They are used for digital SPC switch, gigabit IP router, equipment ground insulation, computer etc.



SMB

FEATURES:

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



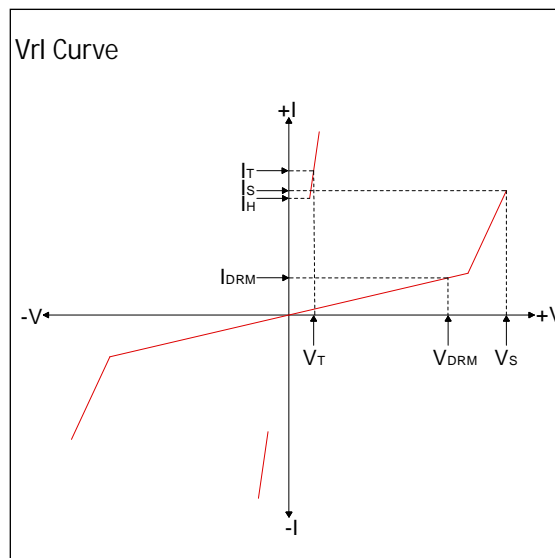
Symbol

ABSOLUTE MAXIMUM RATINGS (T_A=25°C, RH=45%-75%, unless otherwise noted)

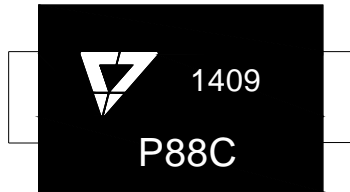
Parameter	Symbol	Value	Unit
Storage temperature range	T _{STG}	-60 to +150	
Operating junction temperature range	T _J	-40 to +125	
Repetitive peak pulse current@10/1000 s	I _{PP}	100	A

ELECTRICAL CHARACTERISTICS (T_A=25°C)

Symbol	Parameter
V _{DRM}	Peak off-state voltage
I _{DRM}	Off-state current
V _S	Switching voltage
I _S	
I _T	On-state current
I _H	Holding current
C _o	Off-state capacitance



MARKING



P88C : Device Marking Code
1409: In ninth week, 2014

ELECTRICAL CHARACTERISTICS (C_s=25 , continued)

Part Number	I _{DRM} @V _{DRM}		V _s @I _s		V _T @I _T		I _H	Co	Marking
	A	V	V	mA	V	A	mA	pF	
	max		max	max	max	max	typ.	max	
GP8800SC	5	750	1000	800	4	2.2	50	50	P88C

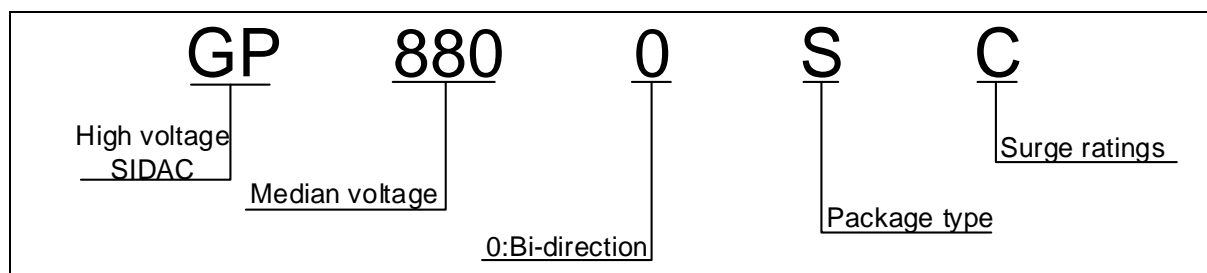
V_s is measured at 100kV/s

Off-state capacitance is measured in V_{DC}=2V, V_{RMS}=1V, f=1MHz

SURGE RATINGS

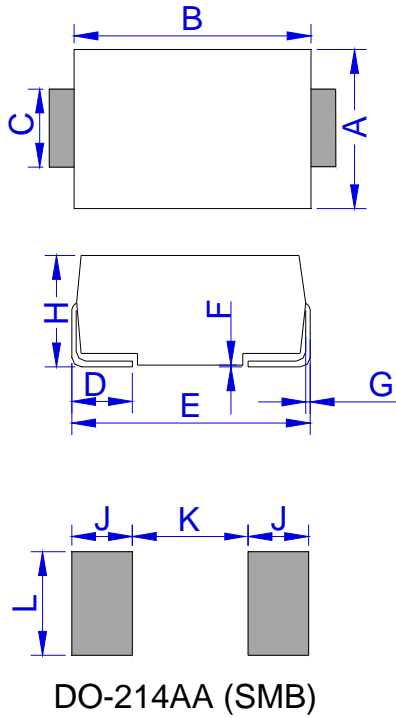
Series	I _{PP} (A) min			
	2/10 s	8/20 s	10/360 s	10/1000 s
C	500	400	175	100

ORDERING INFORMATION




GP8800SC

PACKAGE MECHANICAL DATA



Ref.	Dimensions			
	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	3.30	3.94		
B	4.30	4.80		
C	1.90	2.20		
D	0.95	1.52		0.060
E	5.20	5.60		
F	0.051	0.203	0.002	0.008
G	0.15	0.31	0.006	0.012
H				
J				
K				
L				

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