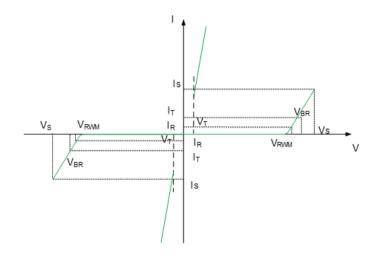


TSS components are solid state crowbar devices designed to protect telecom equipment during transient conditions, as follows:

- ◆ 1.Excellent transient voltage suppression
- ◆ 2. Wide range of voltage ratings
- 3. Symmetrical V-1 characteristics (Non Polarity)
- 4. Fast response
- ◆ 5. Steady operation for repeating surge
- 6.Low temperature coefficient
- ♦ 7.High reliability

CHARACTERISTICS



Parameter	Definition
C _o	Off-state Capacitance — typical capacitance measured in off state
di/dt	Rate of Rise of Current — maximum rated value of the acceptable rate of rise in current over time
Is	Switching Current — maximum current required to switch to on state
I _{DRM}	Leakage Current — maximum peak off-state current measured at V _{DRM}
I _H	Holding Current — minimum current required to maintain on state
I _{PP}	Peak Pulse Current — maximum rated peak impulse current
I _T	On-state Current — maximum rated continuous on-state current
Vs	Switching Voltage — maximum voltage prior to switching to on state
V_{DRM}	Peak Off-state Voltage — maximum voltage that can be applied while maintaining off state
V _T	On-state Voltage — maximum voltage measured at rated on-state current



Electrical Characteristics

Part Number	V _{DRM}	Vs	V _T @I _T	I _{DRM} @V _{DRM}	I _S	I _T	I _H	Co
rait Nullibei	Volts	Volts	Volts	μAmps	μAmps	Amps	mAmps	pF
P0080TA	6	25	4	5	800	2.2	50	60
P0300TA	25	40	4	5	800	2.2	50	65
P0640TA	58	77	4	5	800	2.2	150	45
P0720TA	65	88	4	5	800	2.2	150	45
P1100TA	90	130	4	5	800	2.2	150	45
P2300TA	190	260	4	5	800	2.2	150	45
P2600TA	220	300	4	5	800	2.2	150	45
P3100TA	275	350	4	5	800	2.2	150	40
P3500TA	320	400	4	5	800	2.2	150	40

Notes:

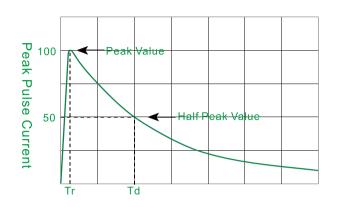
- ♦ All measurements are made at an ambient temperature of 25°C. IPP applies to -40°C through +85°C temperature range.
- ◆ Off-state capacitance (C₀) is measured at 1 MHz with a 2 V bias and is typical value.

Surge Ratings

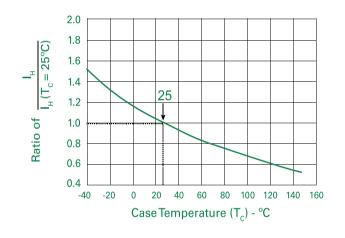
Series	2/10μs	8/20µs	10/160μs	10/560μs	10/1000μs	60HZ	di/dt
A	150Amps	150Amps	90Amps	50Amps	45Amps	10Amps	
В	250Amps	250Amps	150Amps	100Amps	80Amps	30Amps	500 Amps/μs
С	400Amps	400Amps	200Amps	150Amps	100Amps	50Amps	



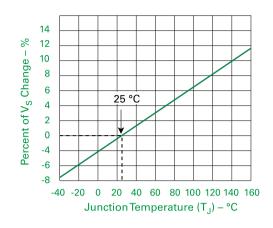
t_r x t_d Pulse Waveform



Normalized DC Holding Current vs. Case Temperature



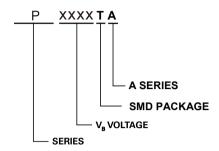
Normalized V_s Change vs. Junction Temperature



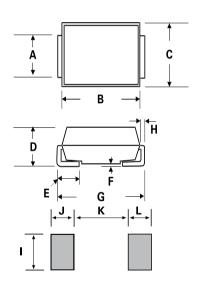
Reflow Parameter	Lead-Free Requirement		
Preheat (depending on flux only) Temperature Min Temperature Max Time (Min to Max)	150°C 200°C 60–180 seconds		
Solder PotTemperature	245-265°C (Max)		
Solder DwellTime	2–3.5 seconds		
Cooling	-6°C/second (Max)		



Part Numbering



Package DO214AC/SMA



Dimensions	Inc	hes	Millimeters		
Dimensions	Min	Max	Min	Max	
А	0.049	0.065	1.250	1.650	
В	0.157	0.177	3.990	4.500	
С	0.100	0.110	2.540	2.790	
D	0.078	0.090	1.980	2.290	
Е	0.030	0.060	0.780	1.520	
F	-	0.008	-	0.203	
G	0.194	0.208	4.930	5.280	
Н	0.006	0.012	0.152	0.305	
1	0.070	-	1.800	-	
J	0.082	-	2.100	-	
K	-	0.090	-	2.300	
L	0.082	-	2.100	-	

Packing Options

Package Type	Description	Quantity
SMA	PXXXXTA	5000pcs