

Surface Mount Thyristor Surge Suppressors TSS P0080SA 2KV Low Voltage Overshoot

Shenzhen, Guangdong, China

Basic Information

- Place of Origin:
- Brand Name:
- ne: SOCAY

P0080SA

AMMO packing bulk

- Certification: REACH,RoHS,ISO
- Model Number:
- Minimum Order Quantity: 2500PCS
- Price: Negotiable
- Packaging Details:
- Delivery Time: 5-8 work days

SOCAY®



Product Specification

• Item:	Thyristor Surge Suppressors (TSS)
 Package Type: 	DO-214AA/SMB
• VDRM (Min.):	6V
• IDRM:	5μΑ
 Vs @100V/µS (Max.): 	25V
• Is (Max.):	800mA
• Vt @It=2.2A (Max.):	4V
• It (Max.):	2.2A
• Ih (Min.):	50mA
• C0 @1MHz,2V Bias (Typ.):	50pF
• Highlight:	Surface Mount Thyristor Surge Suppressors, Thyristor Surge Suppressors 2KV, P0080SA

Product Description

P0080SA @10/700µS,2KV Surface Mount Thyristor Surge Suppressors (TSS) Low Voltage Overshoot

DATASHEET: <u>PXXX0SA_v2103.1.pdf</u>

Part Number	Marking	V _{DRM} @I _{DRM} = 5µA	VS @100V/µ S	V _T @I _T =2.2 A	ls	H _T	I _H	C0 @1MHz, 2V bias
		V min	V max	V max	mA max	A max	mA min	pF typ
P0080SA	P008A	6	25	4	800	2.2	50	50
P0300SA	P03A	25	40	4	800	2.2	50	70
P0640SA	P06A	58	77	4	800	2.2	150	50
P0720SA	P07A	65	88	4	800	2.2	150	50
P0900SA	P09A	75	98	4	800	2.2	150	45
P1100SA	P11A	90	130	4	800	2.2	150	45
P1300SA	P13A	120	160	4	800	2.2	150	45
P1500SA	P15A	140	180	4	800	2.2	150	40
P1800SA	P18A	170	220	4	800	2.2	150	40
P2300SA	P23A	190	260	4	800	2.2	150	35
P2600SA	P26A	220	300	4	800	2.2	150	35
P3100SA	P31A	275	350	4	800	2.2	150	30
P3500SA	P35A	320	400	4	800	2.2	150	30
Notes:								

Vs is measured at 100KV/s.

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





Description:

PXXX0SA Series are designed to protect broadband equipment such as modems, line card, CPE and DSL from damaging over-voltage transients.

The series provides a surface mount solution that enables equipment to comply with global regulatory standards.

Features:

- u Low voltage overshoot
- u Low on-state voltage
- u Does not degrade surge capability after multiple surge events within limit
- u Fails short circuit when surged in excess of ratings
- u Low Capacitance

Applicable Global Standards:

for more products please visit us on socaydiode.com

u TIA-968-A u ITU K.20/21 Enhanced level u ITU K.20/21 Basic Level u GR 1089 Inter building u GR 1089 Inter building u IEC 6100-4-5 u YD/T 1082 u YD/T 993 u YD/T 950

Parameter	Definition
I _S	Switching Current - maximum current required to switch to on state
I _{DRM}	Leakage Current - maximum peak off-state current measured at VDRM
I _H	Holding Current - minimum current required to maintain on state
IT	On-state Current - maximum rated continuous on-state current
V _S	Switching Voltage - maximum voltage prior to switching to on stat
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
C ₀	Off-state Capacitance - typical capacitance measured in off state

Series		8/ 2 0 µ S 1	10/160µS ¹	10/560µS ¹	10/1000µS 1	5/310µS ¹	I _{TSM} 50/60 Hz	di/dt
	2/10µS ²	1. 2/ 5 0 µ S 2	10/160µS ²	10/560µS ²	10/1000µS 2	10/700µS ²		
	F	A m in	F	A min	A min	A min	A min	Amps/µs max
A	150	1 5 0	90	50	45	50	20	500
us	Notes: Current waveform in s Voltage waveform in P = A pulse current rating (b_P) is repetitive and guaranteed for the life of the product. P_P ratings applicable over temperature range of -40°C to +85°C The device must initially be in thermal equilibrium with -40°C < T_J <							

Lead Material	Copper Alloy	
Terminal Finish	100% Matte-Tin Plated	
	UL recognized epoxy meeting flammability classification 94V-0	

	Component Package	Quantity	Dackading (Intion	Packaging Specification
Pxxx0SA	DO-214AA	2500	Tape & Reel - 12mm/13"tape	EIA -481 - D



