

SOCAY P0720SB 4KV Thyristor Surge Protection Devices 150A 65V SMD Thyristor

Shenzhen, Guangdong, China

SOCAY

P0720SB

tape reel,bulk

REACH, RoHS, ISO

Basic Information

- Place of Origin:
- Brand Name:
- Certification:
- Model Number:
- Minimum Order Quantity: 2500PCS
- Price: Negotiable
- Packaging Details:
- Delivery Time: 5-8 work days





Product Specification

• Item: Thyristor Surge Suppressors (TSS) · Package Size: DO-214AA/SMB 65V • VDRM (Min.): • IDRM: 5μΑ Vs @100V/µS (Max.): 88V 800mA • Is (Max.): • Vt @It=2.2A (Max.): 4V • It (Max.): 2.2A • Ih (Min.): 150mA • C0 @1MHz,2V Bias (Typ.): 75pF • Highlight: P0720SB Thyristor Surge Protection Devices,

65V SMD Thyristor

Thyristor Surge Protection Devices 150A,



More Images





Product Description

SOCAY P0720SB 4KV Thyristor Surge Suppressors Protection Devices 150A 65V SMD Thyristor

DATASHEET: PXXX0SB_v2103.1.pdf

Part Number	Marking	V _{DRM} @I _{DRM} =5 µA	VS @100V/µ S	V _T @I _T =2.2 A	I _S	l _T	I _H	C0 @1MHz, 2V bias
		V min	V max	V max	mA max	A max	mA min	pF typ
P0080S B	P008B	6	25	4	800	2.2	50	80
P0300S B	P03B	25	40	4	800	2.2	50	80
P0640S B	P06B	58	77	4	800	2.2	150	80
P0720S B	P07B	65	88	4	800	2.2	150	75
P0900S B	P09B	75	98	4	800	2.2	150	70
P1100S B	P11B	90	130	4	800	2.2	150	70
P1300S B	P13B	120	160	4	800	2.2	150	65
P1500S B	P15B	140	180	4	800	2.2	150	65
P1800S B	P18B	170	220	4	800	2.2	150	65
P2300S B	P23B	190	260	4	800	2.2	150	60
P2600S B	P26B	220	300	4	800	2.2	150	60
P3100S B	P31B	275	350	4	800	2.2	150	50
P3500S B	P35B	320	400	4	800	2.2	150	50
P4200S B	P42B	400	520	4	800	2.2	150	40
Notes:								

Vs is measured at 100KV/s. Off-state capacitance is measured in V_{DC} =2V, V_{RMS} =1V, f=1MHz.





Our Product Introduction

Description:

PXXX0SB 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.

Advantages of semiconductor discharge tubes:

1. Before breakdown, it is equivalent to an open circuit, the insulation resistance is very large, and the leakage current is very small;

- 2. It has two-way symmetry characteristics;
- 3. The response speed is very ns level;
- 4. The breakdown voltage has good consistency.
- Disadvantages of semiconductor discharge tubes:
- 1. Compared with ceramic discharge tubes, the flow rate is smaller, only a few hundred A;
- 2. The breakdown voltage has only certain specific values;
- 3. The capacitance is large, ranging from tens to hundreds of pF.

Disadvantages of semiconductor discharge tubes:

- 1. Compared with ceramic discharge tubes, the flow rate is smaller, only a few hundred A;
- 2. The breakdown voltage has only certain specific values;
- 3. The capacitance is large, ranging from tens to hundreds of pF.

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
Iн	Holding Current - minimum current required to maintain on state
Гт	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
VT	On-state Voltage - maximum voltage measured at rated on-state current
C ₀	Off-state Capacitance - typical capacitance measured in off state

Series	2/10µS ¹	8/ 20 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		
	A min	A m in	A min	A min	A min	A min	A min	Amps/µs max
в	250	2 5 0	150	100	80	100	30	500
Notoo			Peak pulse of the produc	current ratii	ng (ϸ _P) is re	petitive and	guarante	ed for the life

Notes: Current waveform in μ s Voltage waveform in μ s Voltage waveform in μ s I_{PP} ratings applicable over temperature range of -40°C to +85°C - The device must initially be in thermal equilibrium with -40°C < T_J < Voltage waveform in μ s

High Temp Voltage Blocking	80% Rated VDRM (VAC Peak) +125°C or +150°C, Lead Material Copper Alloy High Temp Voltage Blocking 504 or 1008 hrs. MIL-STD-750 (Method 1040) JEDEC, JESD22-A-101	
Temp Cycling	-65°C to +150°C, 15 min. dwell, 10 up to 100 cycles. MIL-STD- 750 (Method 1051) EIA/JEDEC, JESD22-A104	

Biased Temp & Humidity	52 VDC (+85°C) 85%RH, 504 up to 1008 hrs. EIA/ JEDEC, JESD22-A-101	
High Temp Storage	+150°C 1008 hrs. MIL-STD-750 (Method 1031) JEDEC, JESD22- A-101	
Low Temp Storage	-65°C, 1008 hrs.	
Thermal Shock	0°C to +100°C, 5 min. dwell, 10 sec. transfer, Thermal Shock 10 cycles. MIL-STD-750 (Method 1056) JEDEC, JESD22-A-106	
Autoclave (Pressure Cooker Test)	+121°C, 100%RH, 2atm, 24 up to 168 hrs. EIA/Cooker Test) JEDEC, JESD22-A-102	
Resistance to Solder Heat	+260°C, 30 secs. MIL-STD-750 (Method 2031	
Moisture Sensitivity Level	85%RH, +85°C, 168 hrs., 3 reflow cycles Level (+260°C Peak). JEDEC-J-STD-020, Level 1	

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

Part Number	Component Package	Quantity	Packaging Option	Packaging Specification
Pxxx0SB	DO-214AA	2500	Tape & Reel - 12mm/13"tape	EIA -481 - D

Package	Symbol	Parameter	Value	Unit
DO-214AA	TJ	Operating Junction Temperature Range	- 40 to + 150	°C
	Ts	Storage Temperature Range	- 40 to +150	°C
	Reja	Thermal Resistance: Junction to Ambient	90	°C/W



Excellent capability of absorbing transient surge Quick response to surge voltage Eliminates over voltage caused by fast rising transients Solid-state silicon technology, non degenera

Application Audio/Video line Network and telecom Data lines and security systems Serial ports

About SOCAY we are manufacturer and supplier of NTC ,DIODES ect passive components more than 20 years from China .if you have any request please contact us freely .

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