



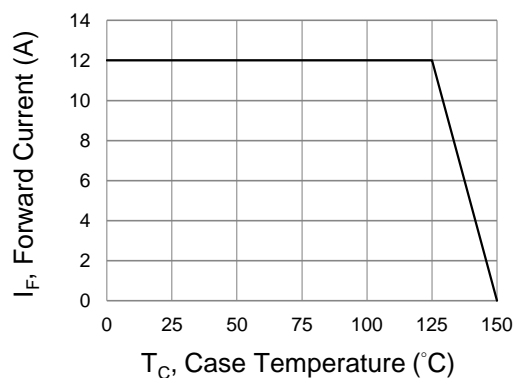


# SVC12120VB

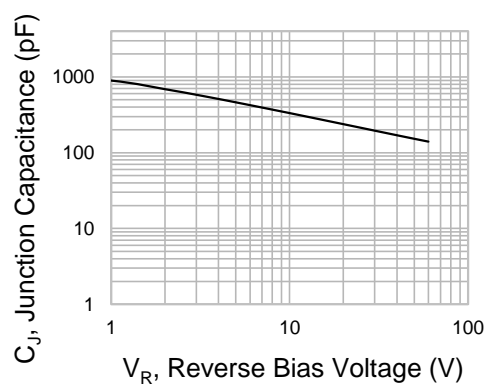
## ELECTRICAL CHARACTERISTICS (T<sub>A</sub>=25°C unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN.	TYP.	MAX.	UNIT
Breakdown voltage	V <sub>BR</sub>	I <sub>R</sub> =0.5mA      T <sub>A</sub> =25°C	120	-	-	V
Instantaneous forward voltage	V <sub>F</sub>	I <sub>F</sub> =1A      T <sub>A</sub> =25°C	-	0.4	-	V
		I <sub>F</sub> =6A      T <sub>A</sub> =25°C	-	0.59	-	
		I <sub>F</sub> =12A      T <sub>A</sub> =25°C	-	0.71	0.77	
		I <sub>F</sub> =1A      T <sub>A</sub> =125°C	-	0.29	-	V
Reverse current	I <sub>R</sub>	V <sub>R</sub> =96V      T <sub>A</sub> =25°C	-	10	-	μA
		V <sub>R</sub> =120V      T <sub>A</sub> =25°C T <sub>A</sub> =125°C	- -	- 35	100 -	μA mA

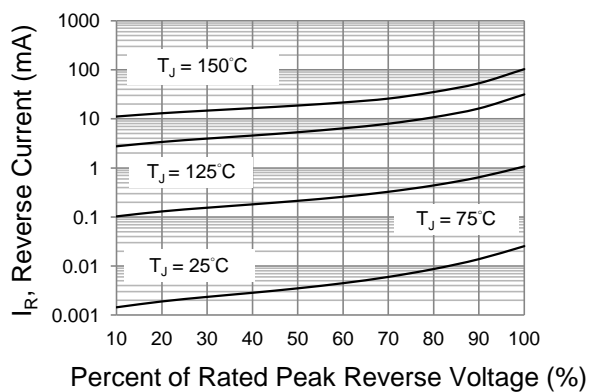
# SVC12120VB



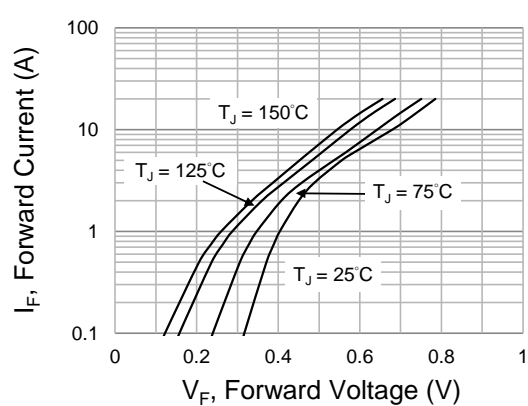
**Fig.1 Forward Current Derating Curve**



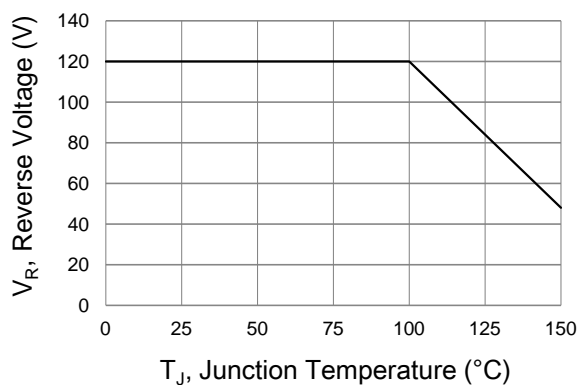
**Fig.2 Typical Junction Capacitance**



**Fig.3 Typical Reverse Characteristics**



**Fig.4 Typical Forward Characteristics**



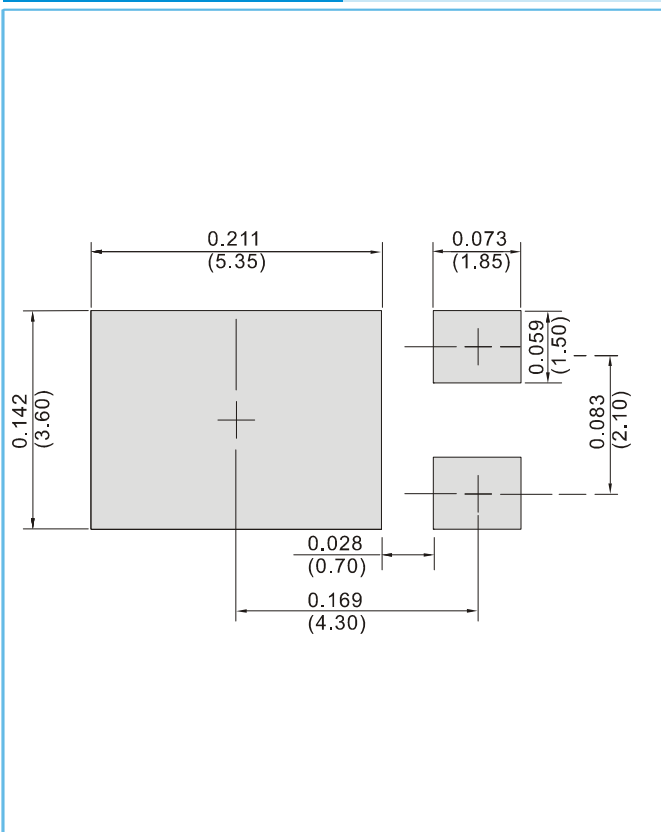
**Fig.5 Operating Temperature Derating Curve**

# SVC12120VB

## MOUNTING PAD LAYOUT

**TO-277B**

Unit : inch(mm)



## ORDER INFORMATION

- Packing information  
T/R - 5K per 13" plastic Reel

# SVC12120VB

Part No\_packing code\_Version

SVC12120VB\_R2\_00001

For example :

RB500V-40\_R2\_00001

Part No.

Serial number

Version code means HF

Packing size code means 13"

Packing type means T/R

Packing Code <b>XX</b>				Version Code <b>XXXXX</b>		
Packing type	1 <sup>st</sup> Code	Packing size code	2 <sup>nd</sup> Code	HF or RoHS	1 <sup>st</sup> Code	2 <sup>nd</sup> ~5 <sup>th</sup> Code
Tape and Ammunition Box (T/B)	<b>A</b>	N/A	<b>0</b>	<b>HF</b>	<b>0</b>	serial number
Tape and Reel (T/R)	<b>R</b>	7"	<b>1</b>	<b>RoHS</b>	<b>1</b>	serial number
Bulk Packing (B/P)	<b>B</b>	13"	<b>2</b>			
Tube Packing (T/P)	<b>T</b>	26mm	<b>X</b>			
Tape and Reel (Right Oriented) (TRR)	<b>S</b>	52mm	<b>Y</b>			
Tape and Reel (Left Oriented) (TRL)	<b>L</b>	PANASERT T/B CATHODE UP (PBCU)	<b>U</b>			
FORMING	<b>F</b>	PANASERT T/B CATHODE DOWN (PBCD)	<b>D</b>			



## SVC12120VB

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