

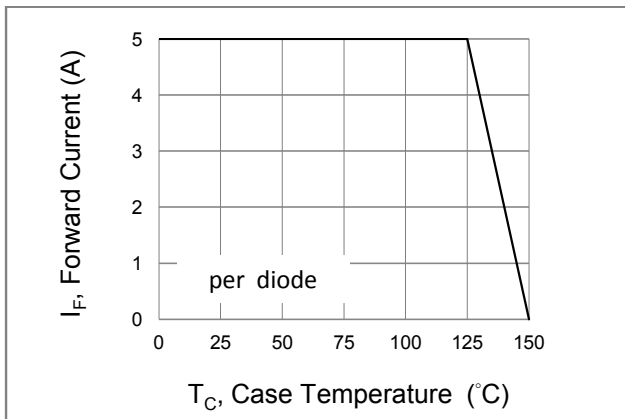




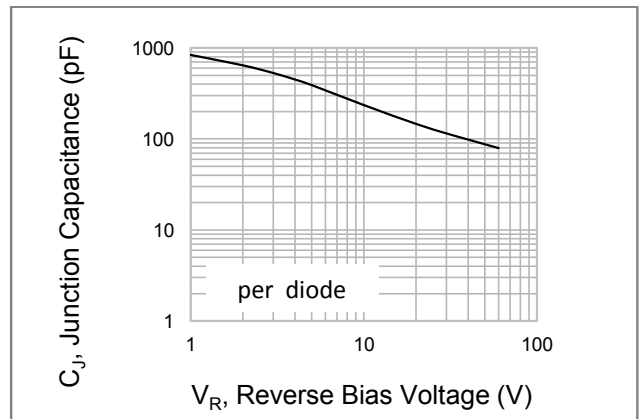
# SBT10100UFCT

Electrical Characteristics ( $T_A=25^\circ\text{C}$  unless otherwise noted)

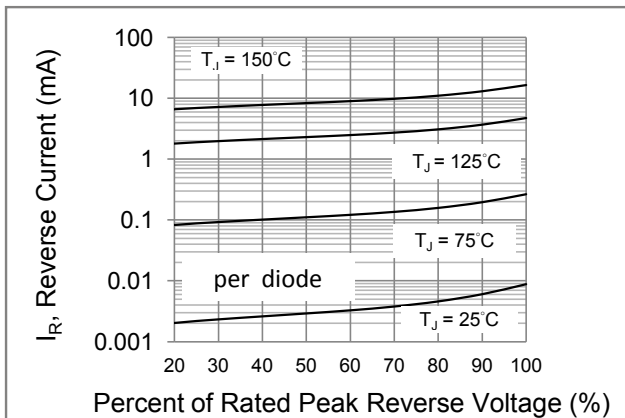
PARAMETER	SYMBOL	TEST CONDITION		MIN.	TYP.	MAX.	UNITS
Breakdown voltage per diode	$V_{BR}$	$I_R=0.5\text{mA}$	$T_J=25^\circ\text{C}$	100	-	-	V
Instantaneous forward voltage per diode	$V_F$	$I_F=1\text{A}$	$T_J=25^\circ\text{C}$	-	0.4	-	V
		$I_F=3\text{A}$		-	0.49	-	
		$I_F=5\text{A}$		-	0.56	0.61	
		$I_F=1\text{A}$	$T_J=125^\circ\text{C}$	-	0.3	-	V
Reverse current per diode	$I_R$	$V_R=80\text{V}$	$T_J=25^\circ\text{C}$	-	5	-	$\mu\text{A}$
		$V_R=100\text{V}$	$T_J=25^\circ\text{C}$	-	-	60	$\mu\text{A}$
			$T_J=125^\circ\text{C}$	-	5	-	mA



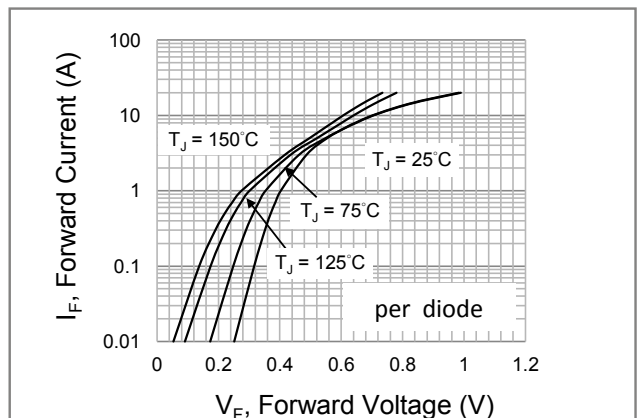
**Fig.1 Forward Current Derating Curve**



**Fig.2 Typical Junction Capacitance**



**Fig.3 Typical Reverse Characteristics**



**Fig.4 Typical Forward Characteristics**



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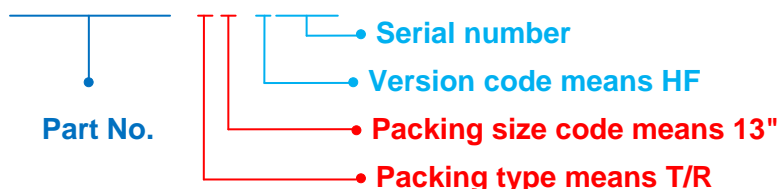
Part No\_packing code\_Version

SBT10100UFCT\_T0\_00001

SBT10100UFCT\_T0\_10001

For example :

RB500V-40\_R2\_00001



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)	A	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	B	13"	2			
Tube Packing (T/P)	T	26mm	X			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			



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