

#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (TJ = 25°C unless otherwise noted)

PARAMETER	SYMBOL	BAV19	BAV20	BAV21	UNITS
Reverse Voltage	V <sub>R</sub>	100	150	200	V
Peak Reverse Voltage	V <sub>RM</sub>	120	200	250	V
Rectified Current (Average), Half Wave Rectification with Resistive Load andf≥=50Hz	I <sub>F(AV)</sub>		mA		
Peak Forward Surge Current,1s	I <sub>FSM</sub>		A		
Power Dissipation Derate Above 25°C	P <sub>tot</sub>		mW		
Maximum Forward Voltage at 0.1A	V <sub>F</sub>		V		
Maximum DC Reverse Current at Rated DC Blocking Voltage $T_j$ =25°C	I <sub>R</sub>	0.1			μA
Typical Junction Capacitance (Notes1)	C	3			pF
Maximum Reverse Recovery (Notes2)	t <sub>rr</sub>	50			ns
Typical Thermal Resistance	R <sub>eja</sub>	350			°C / W
Operating Junction and Storage Temperature Range	T <sub>J</sub> , T <sub>stg</sub>	-55 to +150			°C

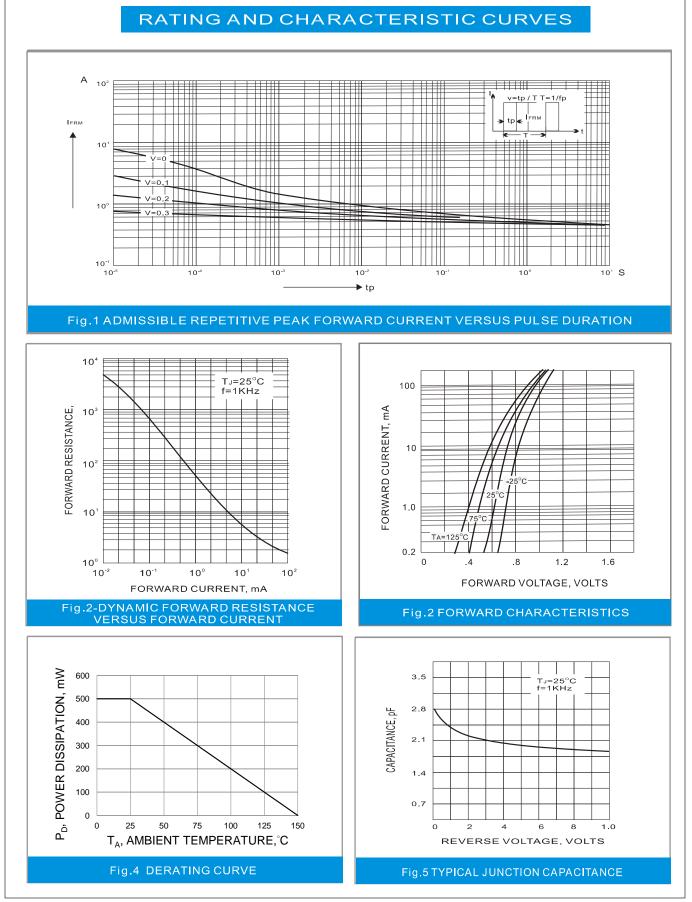
NOTE:

1. CJ at VR=0, f=1MHZ

2. From IF=30mA to IR=-3mA, VR=6Volts, RL=100 $\Omega$ 







October 13,2017-REV.04





#### Part No\_packing code\_Version

BAV19\_AX\_10001 BAV19\_AY\_10001 BAV19\_R2\_10001 BAV19\_B0\_10001

### For example :

RB500V-40\_R2\_00001

Part No.

Serial numberVersion code means HF

Packing size code means 13"

• Packing type means T/R

Packing Code XX					Version Code XXXXX			
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)	В	13"	2					
Tube Packing (T/P)	Т	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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