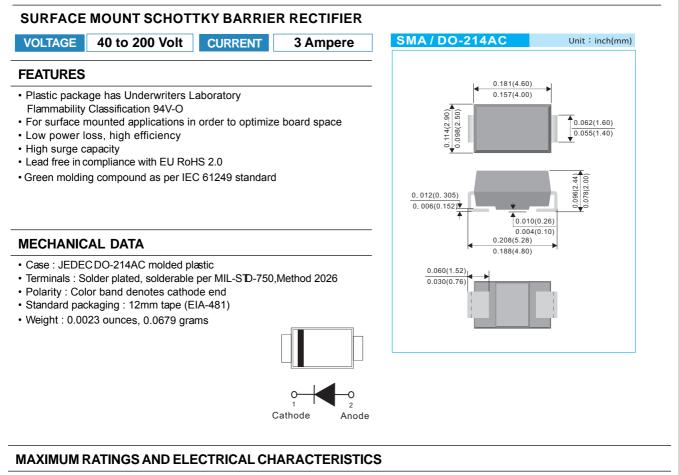
PAN	ĴΤ
	SEMI CONDUCTOR

## BX34~BX320



Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load.

PARAMETER	SYMBOL	BX34	BX34A	BX35	BX36	BX38	BX39	BX310	BX315	BX320	UNITS
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	40	45	50	60	80	90	100	150	200	v
Maximum RMS Voltage	V <sub>RMS</sub>	28	31.5	35	42	56	63	70	105	140	V
Maximum DC Blocking Voltage		40	45	50	60	80	90	100	150	200	v
Maximum Average Forward Current (See figure1)	I <sub>F(AV)</sub>	3						А			
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I <sub>FSM</sub>	80				A					
Maximum Forward Voltage at 3A (Note 1)	V <sub>F</sub>	0.7 0.74 0.8		0	.9	v					
Maximum DC Reverse Current at Rated DC Blocking $T_j=25^{\circ}C$ Voltage	I <sub>R</sub>	0.05				mA					
Maximum DC Reverse Current at Rated DC Blocking $$T_{\rm J}$=100^{\circ}C$$ Voltage	I <sub>R</sub>	5		2		1		mA			
Typical Thermal Resistance (Note 2)	R <sub>ejl</sub> R <sub>eja</sub>	20 75				°C / W					
Operating Junction and Storage Temperature Range	T <sub>J</sub> ,T <sub>stg</sub>	-55 to +150 -65 to +175				°C					

#### NOTES :

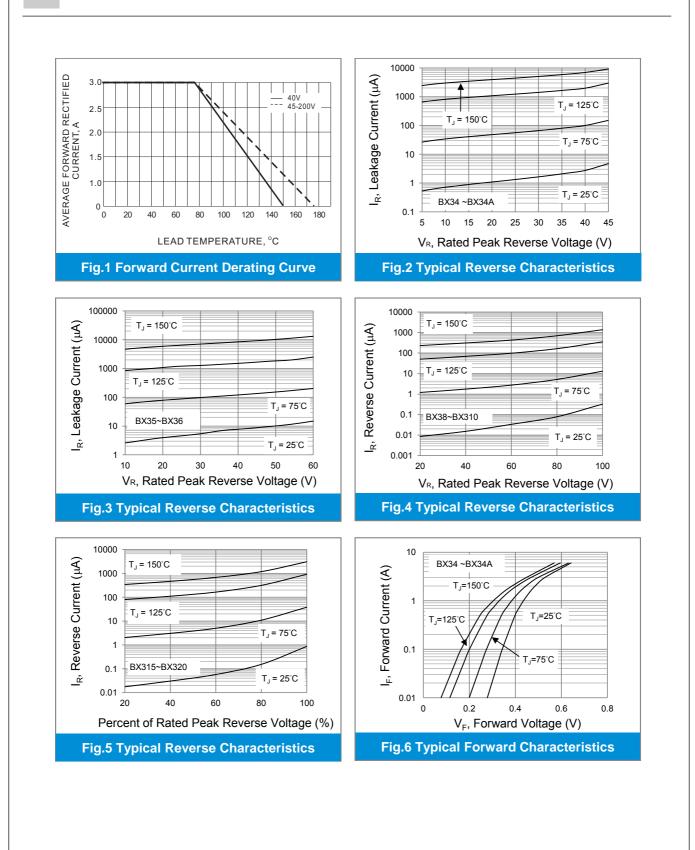
1. Pulse Test with PW =300µsec, 1% Duty Cycle.

2. Mounted on P.C. Board with  $8 mm^2 \,$  (0.013mm thick) copper pad areas.



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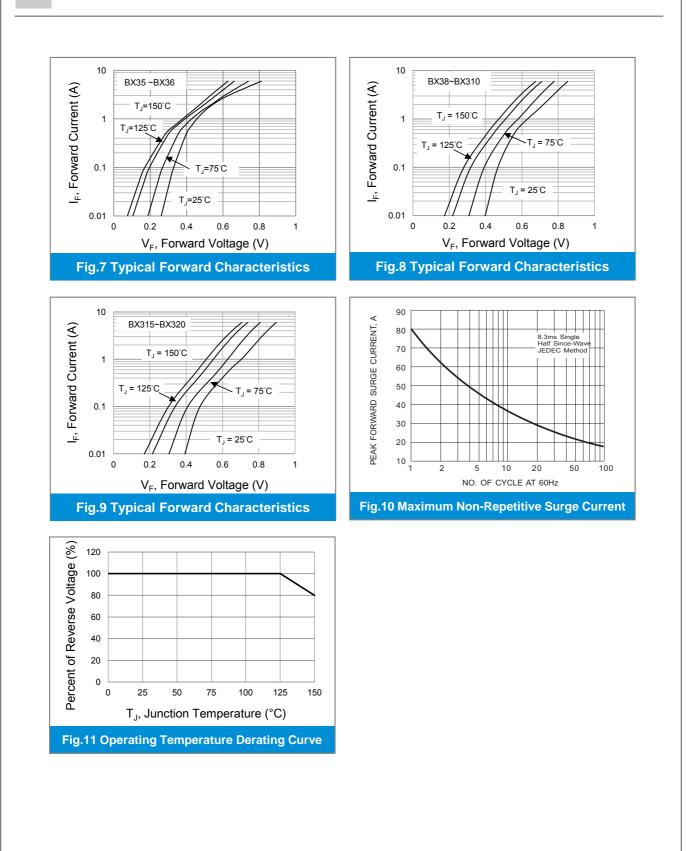
BX34~BX320





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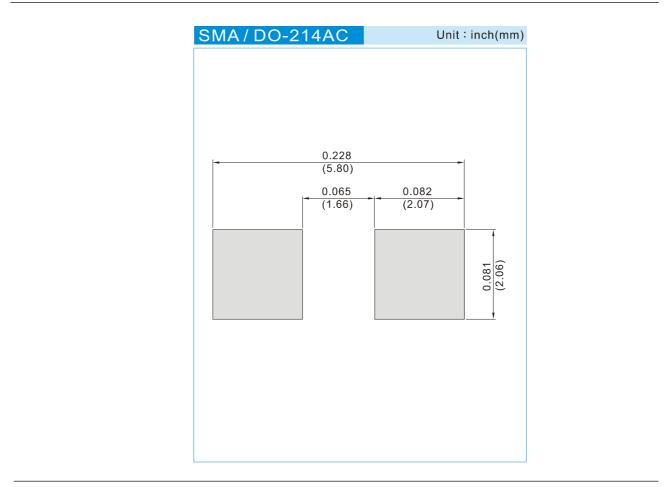
### BX34~BX320





## BX34~BX320

#### MOUNTING PAD LAYOUT



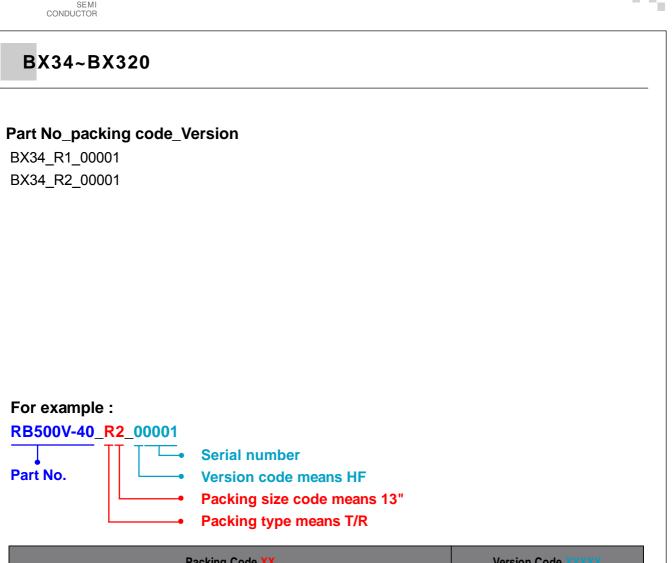
### ORDER INFORMATION

Packing information

T/R - 7.5K per 13" plastic Reel

T/R - 1.8K per 7" plastic Reel





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)	Α	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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