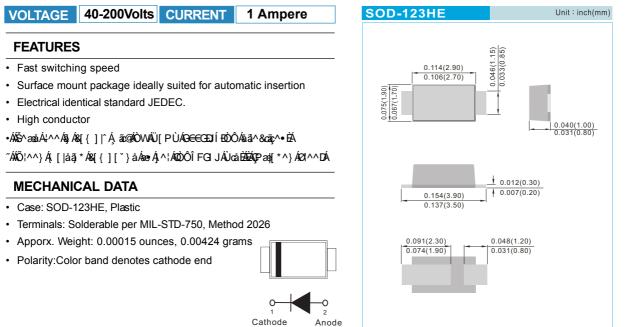


### SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER



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

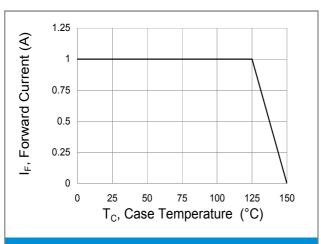
PARAMETER	SYMBOL	SS1040HE	SS1060HE	SS10150HE	SS10200HE	UNITS
Marking Code		EM	EN	ERL	ES	
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	40	60	150	200	V
Maximum RMS Voltage	V <sub>RMS</sub>	28	42	105	140	V
Maximum DC Blocking Voltage	V <sub>R</sub>	40	60	150	200	V
Maximum Average Forward Current at Temp=75°C	I <sub>o</sub>	1				
Peak Forward Surge Current:8.3ms single half sine-wave superimposed on rated load(JEDEC method)	I <sub>fsm</sub>	30				
Maximum Forward Voltage at 1A	V <sub>F</sub>	0.55	0.7	0.	V	
Maximum DC Reverse Current	I <sub>R</sub>	100				μΑ
Typical Junction capacitance at Vr=0V, f=1MHz	C	155	125	85		pF
Typical Thermal Resistance, Junction to Ambient (Note 1) Junction to Case (Note 1)	R <sub>өја</sub> R <sub>өјс</sub>	225 20				°C/W
Operating Junction Temperature and Storage Temperature Range	T <sub>J</sub> ,T <sub>stg</sub>	-55 to +150				°C

#### NOTES:

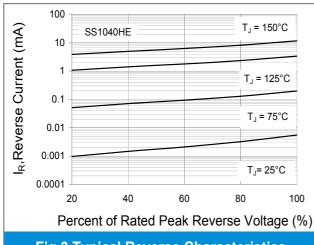
1.Mounted on 48cm<sup>2</sup> FR-4 PCB board.



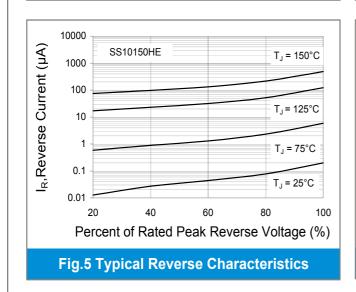
### **RATING AND CHARACTERISTIC CURVES**

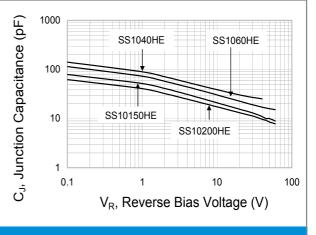


### Fig.1 Forward Current Derating Curve

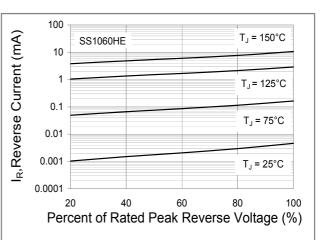


#### **Fig.3 Typical Reverse Characteristics**

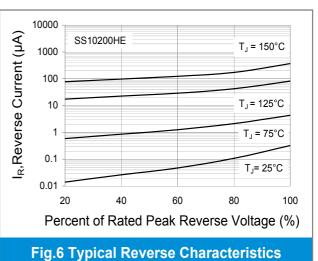




### Fig.2 Typical Junction Capacitance



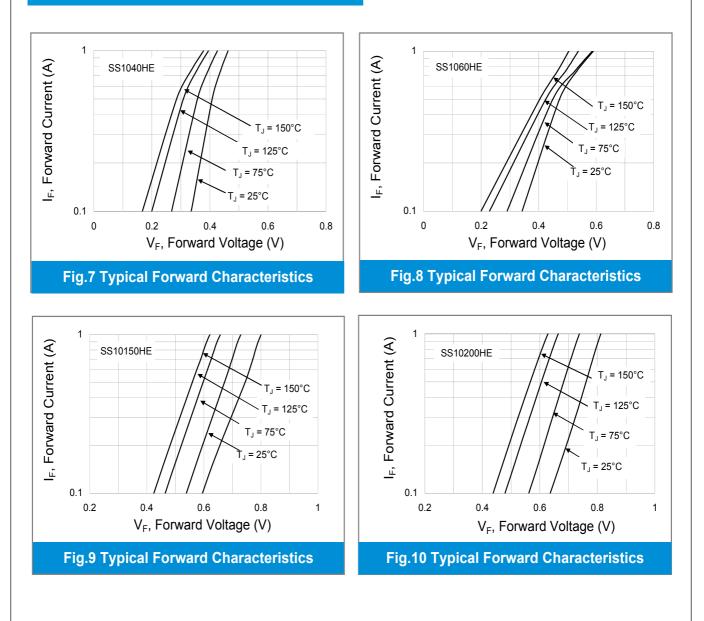
#### **Fig.4 Typical Reverse Characteristics**



October 04,2011-REV.02

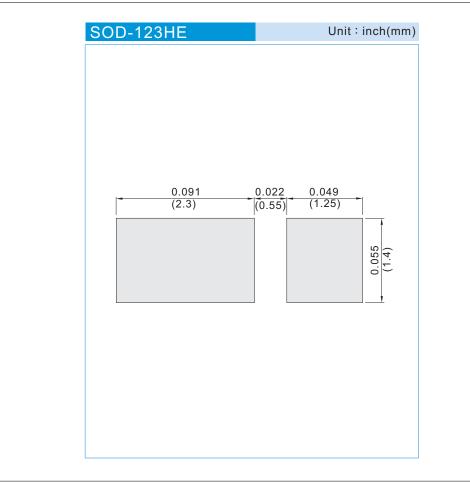


### **RATING AND CHARACTERISTIC CURVES**









#### ORDER INFORMATION

Packing information

T/R - 10K per 13" plastic Reel

T/R - 3K per 7" plastic Reel



Part No\_packing code\_Version

SS1040HE\_R1\_00001 SS1040HE\_R2\_00001

### For example :

### RB500V-40\_R2\_00001



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				





## Disclaimer

- Reproducing and modifying information of the document is prohibited without permission from Panjit International Inc..
- Panjit International Inc. reserves the rights to make changes of the content herein the document anytime without notification. Please refer to our website for the latest document.
- Panjit International Inc. disclaims any and all liability arising out of the application or use of any product including damages incidentally and consequentially occurred.
- Panjit International Inc. does not assume any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.
- Applications shown on the herein document are examples of standard use and operation. Customers are responsible in comprehending the suitable use in particular applications. Panjit International Inc. makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.
- The products shown herein are not designed and authorized for equipments requiring high level of reliability or relating to human life and for any applications concerning life-saving or life-sustaining, such as medical instruments, transportation equipment, aerospace machinery et cetera. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Panjit International Inc. for any damages resulting from such improper use or sale.