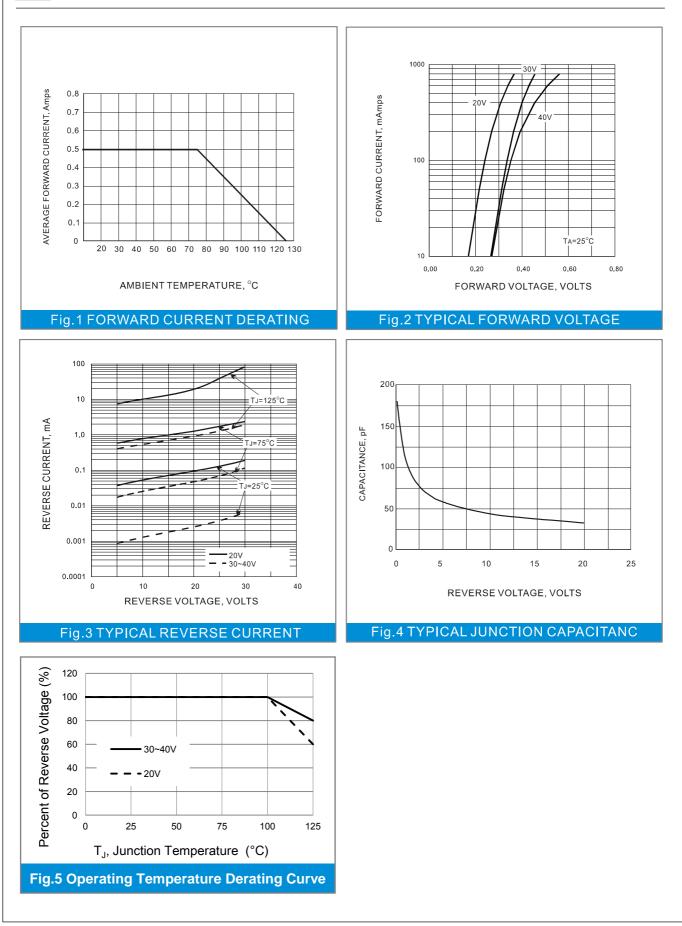


| PARAMETER | SYMBOL | SS0520 | SS0530 | SS0540 | UNITS |
|--|--------------------------------------|------------|--------|--------|--------|
| Marking Code | | B2 | В3 | B4 | |
| Maximum Recurrent Peak Reverse Voltage | V _{RRM} | 20 | 30 | 40 | v |
| Maximum RMS Voltage | V _{RMS} | 14 | 21 | 28 | v |
| Maximum DC Blocking Voltage | V _{DC} | 20 | 30 | 40 | V |
| Maximum Average Forward Current at TA=75°C | I _{AV} | 0.5 | | | А |
| Peak Forward Surge Current, 8.3ms single half sine-wave superimposed on rated load | I _{fsm} | | А | | |
| Power Dissipation (Mounted on 48cm ² FR-4 PCB) | P _D | 300 | | | mW |
| Typical Junction Capacitance at $V_R = 0V$ DC | C | 170 | | | pF |
| Typical Thermal Resistance | R _{ejl} R _{eja} | 150 206 | | | °C / W |
| Operating Junction and Storage Temperature Range | Τ _J ,Τ _{stg} | | °C | | |

ELECTRICAL CHARACTERISTICS (T₄=25°C unless otherwise noted)

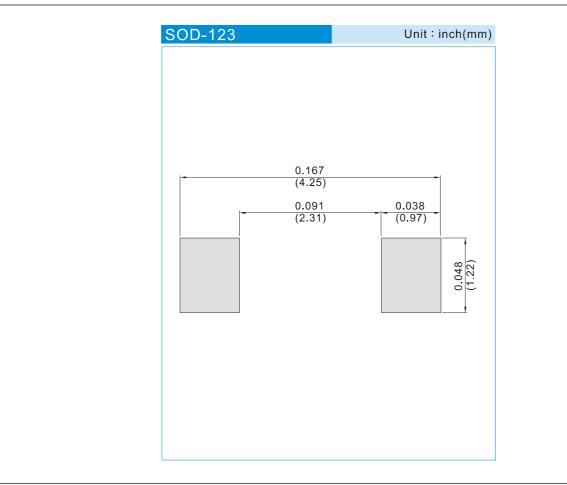
| PARAMETER | SYMBOL | SS0520 | SS0530 | SS0540 | UNITS |
|---------------------------------------|----------------|--------------------------|----------------------------|-------------------------|-------|
| Maximum Instantaneous Forward Voltage | V _F | 0.3@ 0.1A 0.385@ 0.5A | 0.375@ 0.1A 0.430@ 0.5A | 0.51@ 0.5A 0.62@1.0A | v |
| Maximum Reverse Current | I _R | 75@Vr=10V | 20@VR=15V | 10@VR=20V | uA |







MOUNTING PAD LAYOUT

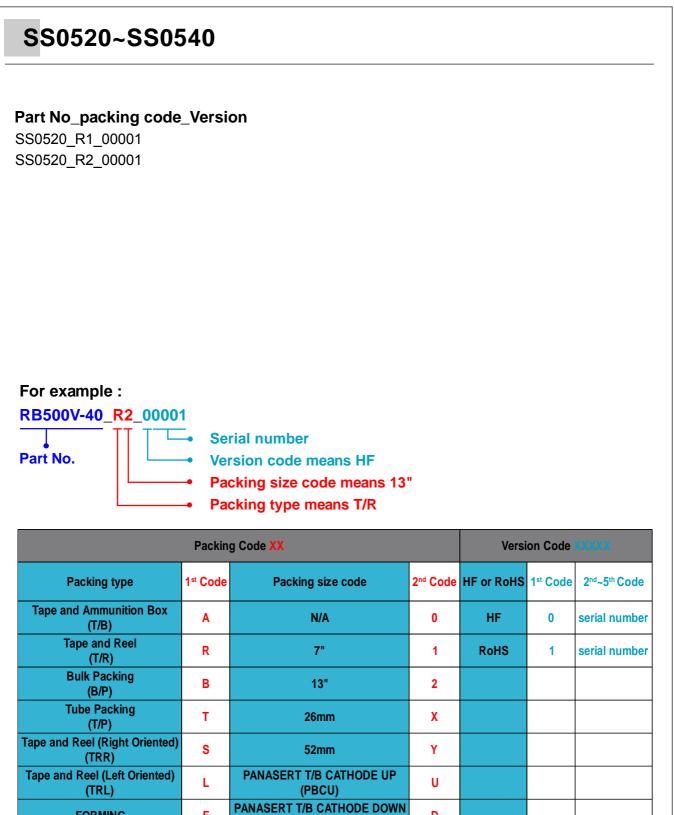


ORDER INFORMATION

Packing information

T/R - 10K per 13" plastic Reel T/R - 3K per 7" plastic Reel





(PBCD)

D

FORMING

F



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.
- Since Panjit uses lot number as the tracking base, please provide the lot number for tracking when complaining.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Panjit:

SS0520_R1_10001 SS0520_R2_00001 SS0520_R2_10001 SS0520_R1_00001