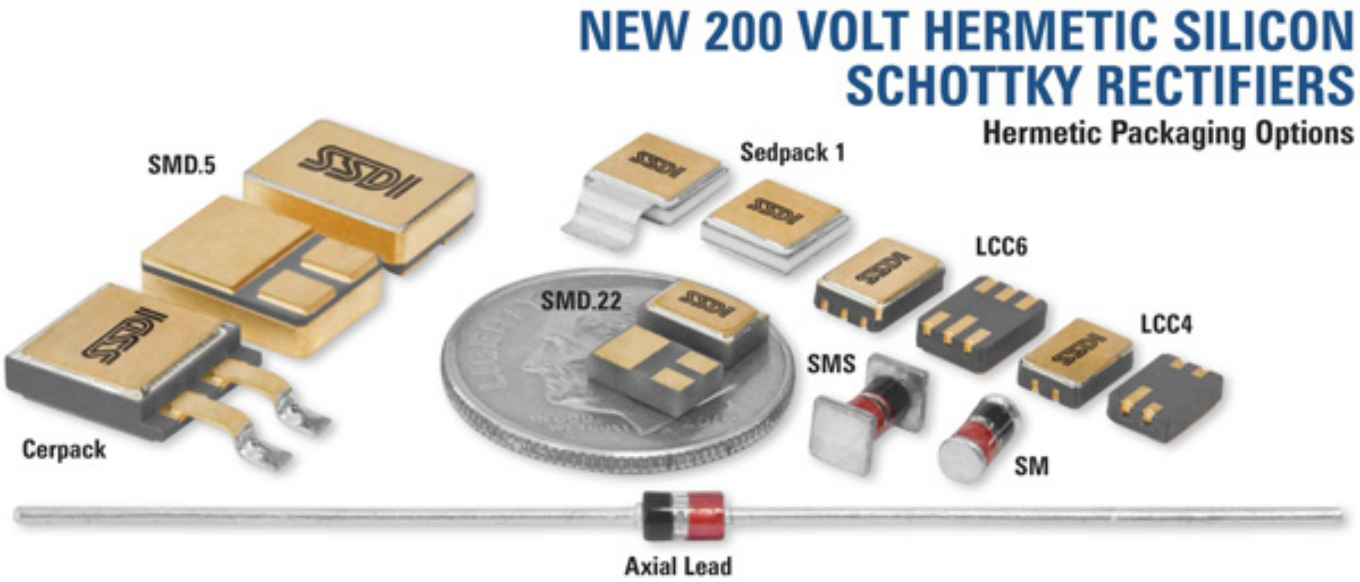
Schottky rectifiers feature a forward current rating of 2 amps to 20 amps

Solid State Devices, Inc. (SSDI) is excited to announce its new additions to the 200 volt silicon Schottky rectifier product family initially introduced in November 2011. This product line delivers the highest voltage ratings in the industry for hermetically sealed silicon Schottky devices.



The latest Schottky products in this family feature a forward current rating of 2 amps to 20 amps. Higher current versions are currently in production and expected to be released in 2013. Some of the key advantages of this product family include high voltage ratings, an extremely low forward voltage drop, low reverse leakage, high peak surge current, and the availability of single die or dual centertap configurations. For more details and maximum ratings (@ 25°C), please see the tables below.

Single Die Configurations

SPD0502 thru SPD2002 Series	50 – 200	2	40		0.95 @
SSR04150S.22 thru SSR04200S.22	150 - 200	4	50		1.00 @
SSR04150-4 thru SSR04200-4	150 - 200	4	50		1.00 @

SSR08150S.22 thru SSR08200S.22	150 - 200	8	80		0.95 @
SED10HB200, SED10HE200, SED10HF200	200	10	100		0.78 @

Dual Centertap Configurations

SSR04150CTS.22 thru SSR04200CTS.22	150 - 200	2	20		0.95 @
SSR08150CTS.22 thru SSR08200CTS.22	150 - 200	4	40		0.95 @
SSR08150CT-6 thru SSR08200CT-6	150 - 200	4	50		1.00 @
SSR20150CTG thru SSR20200CTG	150 - 200	10	100		1.00 @
SSR20150CTS.5 thru SSR20200CTS.5	150 - 200	10	100		1.00 @

In addition to their electrical advantages, all of these new Schottky rectifiers are available in hermetically sealed surface mount packages with extremely small footprints and low profiles. For example, the maximum dimensions for the SMD.22 are 0.157” (W) x 0.227” (L) x 0.075” (H). These devices are also available to be screened at TX, TXV, or S level. Screening is based on MIL-PRF-19500 and screening flows are available on request. Contact SSDI today for more information and product samples.

www.ssdi-power.com [1]

Source URL (retrieved on *12/05/2013 - 2:14am*):
http://www.ecnmag.com/product-releases/2012/11/schottky-rectifiers-feature-forward-current-rating-2-amps-20-amps?qt-video_of_the_day=0

Links:
[1] http://www.ssdi-power.com