

- TX, TXV, and Space Level Screening Available^{2/}
- Available in Fast and Hyper Fast Versions. Contact Factory.

ELECTRICAL CHARACTERISTICS

30 = 3,000 V

Part Number	Peak Inverse Voltage	Rec	erage ctifier rrent	Rev	imum rerse rrent	Maximum Forward Voltage	Maximum Surge Current (see note 8)	Maximum Reverse Recovery Time	Maximum Junction Capacitance	Typical Thermal Resistance	
Symbol	PIV	I	0	I	R	VF	IFSM	^t RR	СJ	R ₀ JE	R _{0JL}
Units		Α		μ	A	Volts	Amps	nsec	pF	°C	:/ W
Conditions	Volts	25°C	100°C	25°C	100°C	25°C	25°C	25°C	VR = 100V fT = 1MHZ		L = 1/8"
SRH20UF	2000	1.5	1.0	0.5	15	6.5	60	90	10	4	8
SRH25UF	2500	1.5	1.0	0.5	15	6.5	60	90	10	4	8
SRH30UF	3000	1.5	1.0	0.5	15	6.5	60	90	10	4	8

1/ For ordering information, price, and availability – Contact factory.

2/ Screening based on MIL-PRF-19500. Screening flows available on request.

3/ Operating and testing over 10,000 V/inch may require encapsulation or immersion in a suitable dielectric material.

 $\frac{4}{I_F} = I_0$; Max. forward voltage measured with instantaneous forward pulse of 300µsec minimum.

5/ Max. Lead/End Tab temp. for soldering is 250°C, 3/8" from case for 5 sec maximum.

6/ Operating and storage temperature: -65°C to +175°C.

7/ Reverse recovery test conditions: IF=0.5A, IR=1.0A, IRR=.25A, TA=25°C.

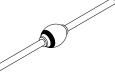
8/ Surge at 1 ms square pulse. 1 cycle.

This device is a replacement for SSDI's SDH20UF through SDH30UF family of devices. This device offers superior performance in $V_F \& I_R$.

NOTE: All specifications are subject to change without notification. SCD's for these devices should be reviewed by SSDI prior to release.	DATA SHEET #: RC0166A	DOC	
---	-----------------------	-----	--

Axial

Surface Mount Square Tab



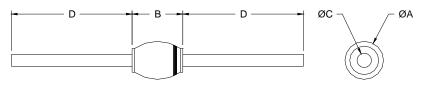




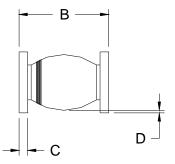


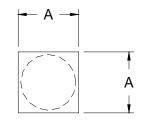
Solid State Devices, Inc. 14701 Firestone Blvd * La Mirada, Ca 90638 Phone: (562) 404-4474 * Fax: (562) 404-1773 ssdi@ssdi-power.com * www.ssdi-power.com

PACKAGE OUTLINE: Axial



PACKAGE OUTLINE: Surface Mount Square Tab





SRH20UF thru SRH30UF					
Series					

DIMENSIONS				
DIM	MIN	MAX		
A	—	0.150"		
В	0.200"	0.240"		
С	0.048"	0.052"		
D	1.00"			

DIMENSIONS				
DIM	MIN	MAX		
Α	0.170"	0.180"		
В	0.250"	0.295"		
С	0.020"	0.030"		
D	0.002"			

Notes:

Consult manufacturing for operating curves.

NOTE: All specifications are subject to change without notification. SCD's for these devices should be reviewed by SSDI prior to release.	DATA SHEET #: RC0166A	DOC
---	-----------------------	-----