

ELECTRICAL CHARACTERISTICS

Part Number	Peak Inverse Voltage	Average Rectifier Current		Maximum Reverse Current		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	Сј	R ₀ JE	R _{0JL}
Units		A		μ	ιA	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"
SRH20HF	2000	1.0	0.5	0.75	40	8.5	35	40	10	4	8
SRH25HF	2500	1.0	0.5	0.75	40	8.5	35	40	10	4	8
SRH30HF	3000	1.0	0.5	0.75	40	8.5	35	40	10	4	8

Surface Mount

Square Tab

Axial

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

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

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

 $\underline{4}/I_{F} = I_{O}$; 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.

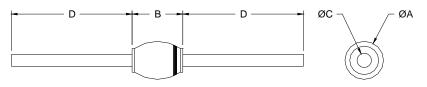
This device is a replacement for SSDI's SDH20HF through SDH30HF family of devices. This device offers superior performance in $V_F \& I_R$.

NOTE: All specifications are subject to change without notification. SCD's for these devices should be reviewed by SSDI prior to release.	DATA SHEET #: RC0168A	DOC	
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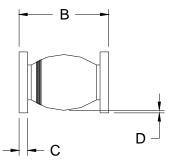


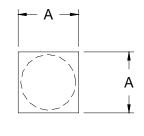
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PACKAGE OUTLINE: Axial



PACKAGE OUTLINE: Surface Mount Square Tab





SRH20HF thru SRH30HF				
Series				

DIMENSIONS				
DIM	MIN	MAX		
Α	—	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.

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