

Features

- Average Forward Current: I_{F(AV)}=2A
- Polarity: Color band denotes cathode

SMAF





Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
STPS2H100AFY	SMAF	SS210F	3000

Maximum Ratings (Ta=25°C unless otherwise noted)

Type Number		Limit	Unit
Maximum Recurrent Peak Reverse Voltage		100	V
Maximum RMS Voltage		70	V
Maximum DC Blocking Voltage		100	V
Maximum Average Forward Rectified Current			
See Fig. 1		2.0	Α
Peak Forward Surge Current, 8.3 ms single half sine-wave			
superimposed on rated load (JEDEC method)		50	Α
Maximum Instantaneous Forward Voltage at 2.0A		0.85	V
Maximum DC Reverse Current Ta	=25°C	0.02	mA
at Rated DC Blocking Voltage Ta	=100°C	2	mA
Typical Junction Capacitance (Note1)		170	pF
Typical Thermal Resistance R JA (Note 2)		75	°C/W
Operating junction Temperature Range T _J		-65 — + 150	°C
Storage Temperature Range Tsτc		-65 +150	°C

NOTES

- 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.
- 2. Thermal Resistance Junction to Ambient.



Typical Characteristics

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

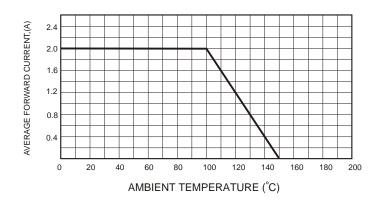
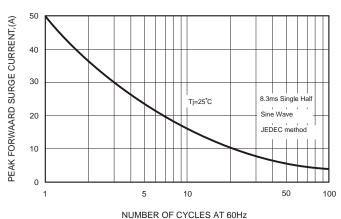


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT



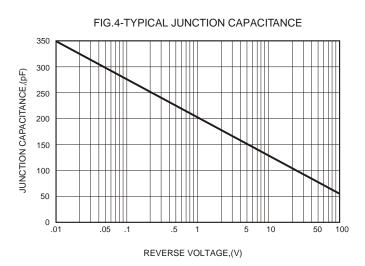


FIG.2-TYPICAL FORWARD

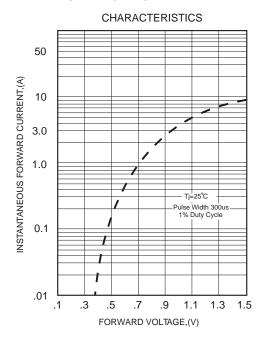
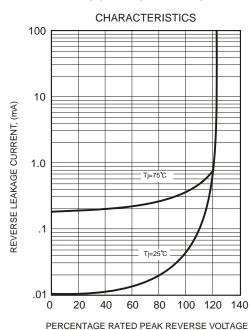
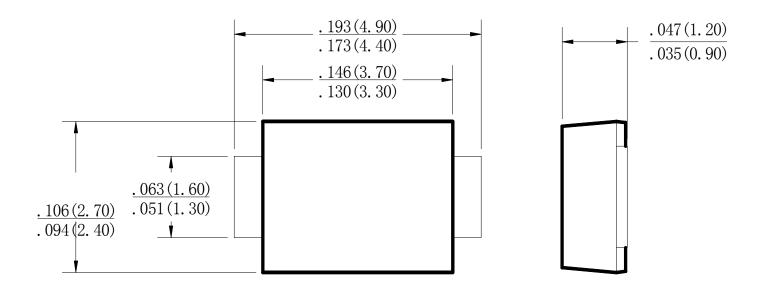
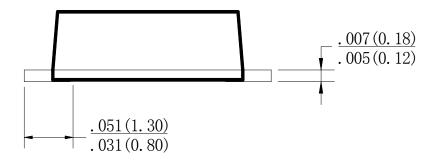


FIG.5 - TYPICAL REVERSE



SMAF Package Outline Dimensions





Dimensions in inches and (millimeters)

STPS2H100AFY SCHOTTKY RECTIFIER DIODES

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