



Features

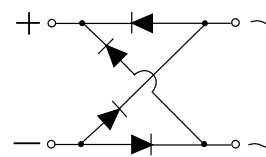
- * Ideal for printed circuit board
- * Reliable low cost construction utilizing molded plastic technique
- * High surge current capability
- * Polarity: Symbol molded on body
- * Mounting position: Any
- * Weight: 0.12 grams



**ABS
(SOPA-4)**

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
HABS21013	ABS(SOPA-4)	A21RH	5000



Internal Structure

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

Single phase half wave, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

Type Number	HABS21013	Units
Maximum Recurrent Peak Reverse Voltage	1000	V
Maximum RMS Voltage	700	V
Maximum DC Blocking Voltage	1000	V
Maximum Average Forward Rectified Current at Ta=40°C(Note 1)	2.0	A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	6 0	A
Maximum Forward Voltage Drop per Bridge Element at 2.0A D.C.	1.0	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	5.0 500	μA μA
Typical Thermal Resistance R _{JA} (Note 2)	75	°C/W
Operating Temperature Range, T _J	-55 — +150	°C
Storage Temperature Range, T _{STG}	-55 — +150	°C



Typical Characteristics

FIG.1-TYPICAL FORWARD CURRENT
DERATING CURVE

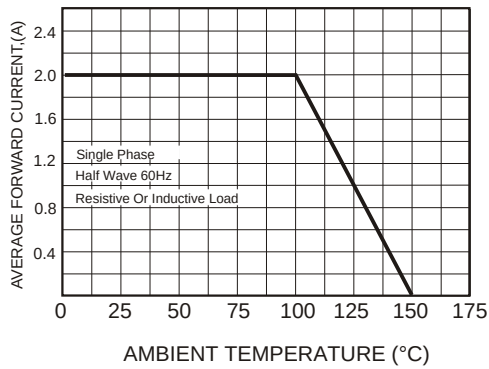


FIG.2-MAXIMUM NON-REPETITIVE FORWARD
SURGE CURRENT

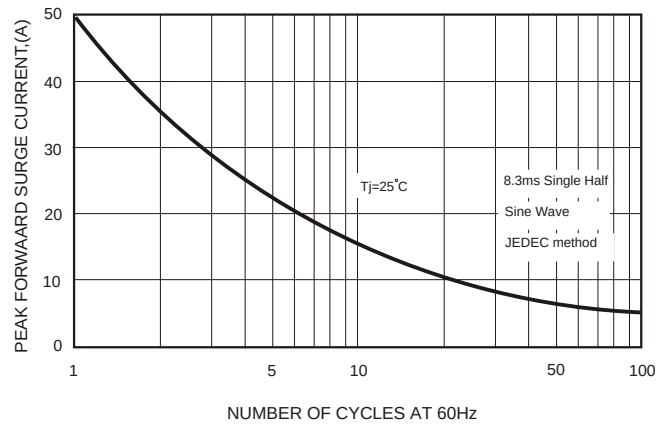


FIG.3-TYPICAL FORWARD
CHARACTERISTICS

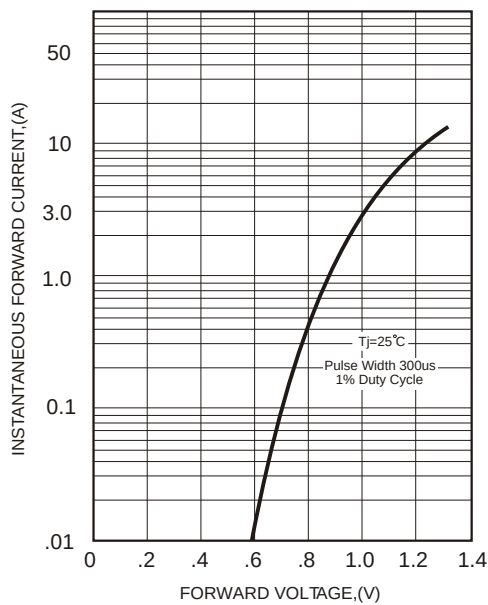
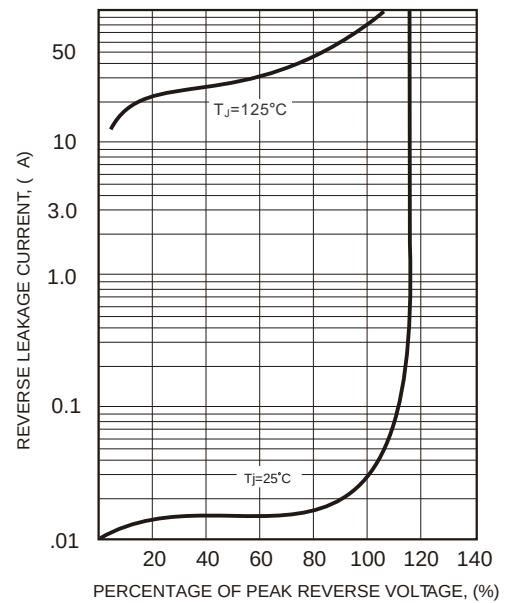


FIG.4-TYPICAL REVERSE
CHARACTERISTICS





Technical drawing of a 10-pin D-sub connector showing three views: top, side, and front. Dimensions are provided in inches and millimeters.

Top View:

- Overall width: $.181(4.6)$ / $.165(4.2)$
- Pin spacing (center-to-center): $.031(0.8)$ / $.023(0.6)$
- Pin diameter: $.043(1.1)$ / $.027(0.7)$
- Pin length: $.008(0.2)$ MAX.
- Pin-to-shell clearance: $.043(1.1)$ / $.027(0.7)$

Side View:

- Overall height: $.065(1.65)$ MAX.
- Pin height: $.057(1.45)$ / $.049(1.25)$
- Pin-to-shell clearance: $.043(1.1)$ / $.027(0.7)$

Front View:

- Overall width: $.201(5.1)$ / $.197(4.8)$
- Pin spacing (center-to-center): $.126(3.9)$ / $.141(4.1)$

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