



Product data sheet

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US2AB THRU US2MB HF 🐼

Semiconductor Compiance

VOLTAGE RANGE 50 to 1000 Volts CURRENT 2.0 Ampere



SMB

FEATURES

- * Ideal for surface mount applications
- * Easy pick and place
- * Built-in strain relief
- * Low forward voltage drop

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: UL 94V-0 rate flame retardant
- * Metallurgically bonded construction
- * Polarity: Color band denotes cathode end
- * Mounting position: Any
- * Weight: 0.093 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature unless otherwies specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

US2AB	US2BB	US2DB	US2EB	US2GB	US2JB	US2KB	US2MB	UNITS
50	100	200	300	400	600	800	1000	V
35	70	140	210	280	420	560	700	V
50	100	200	300	400	600	800	1000	V
2.0					A			
60					Α			
1.0 1.3 1.7				V				
			5	.0				μA
			15	50				μA
50 75				nS				
30				pF				
-65-+150				°C				
	50 35	50 100 35 70 50 100	50 100 200 35 70 140 50 100 200	50 100 200 300 35 70 140 210 50 100 200 300 50 100 200 300 2 2 6 1.0 1 5 1.0 1 5 50 3 3	50 100 200 300 400 35 70 140 210 280 50 100 200 300 400 200 300 200 300 400 200 300 200 300 400 2.0	50 100 200 300 400 600 35 70 140 210 280 420 50 100 200 300 400 600 50 100 200 300 400 600 2.0 60 1.0 1.3 5.0 150 50 30	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	50 100 200 300 400 600 800 1000 35 70 140 210 280 420 560 700 50 100 200 300 400 600 800 1000 50 100 200 300 400 600 800 1000 2.0 60 1.0 1.3 1.7 5.0 150 50 75 30

NOTES:

1. Reverse Recovery Time test condition: IF=0.5A, IR=1.0A, IRR=0.25A

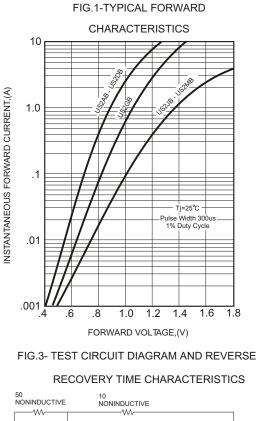
2. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

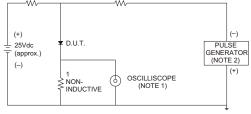




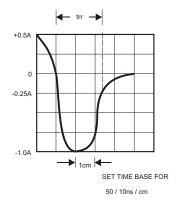
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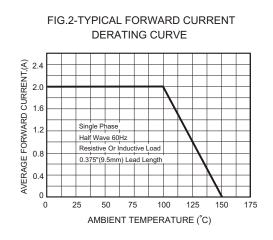
RATING AND CHARACTERISTIC CURVES (US2AB THRU US2MB)



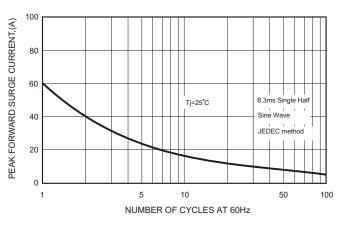


NOTES: 1. Rise Time= 7ns max., Input Impedance= 1 megohm.22pF. 2. Rise Time= 10ns max., Source Impedance= 50 ohms.

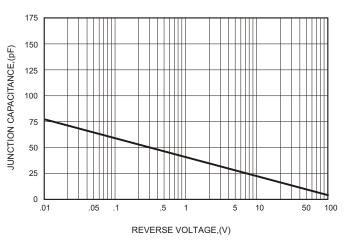






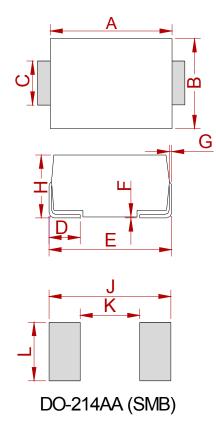








PACKAGE MECHANICAL DATA



	Dimensions					
Ref.	Millimeters		Inches			
	Min.	Max.	Min.	Max.		
Α	4.25	4.75	0.167	0.187		
В	3.30	3.94	0.130	0.155		
С	1.85	2.21	0.073	0.087		
D	0.76	1.52	0.030	0.060		
E	5.08	5.59	0.200	0.220		
F	0.051	0.203	0.002	0.008		
G	0.15	0.31	0.006	0.012		
Н	2.11	2.44	0.083	0.096		
J	6.80		0.270			
K		2.60		0.100		
L	2.40		0.090			

REEL SPECIFICATION

P/N	PKG	QTY
PxxxxSB-MS	SMB	3000

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