

Product data sheet

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US3AB THRU US3MB HE

Semiconductor Compiance

VOLTAGE RANGE

50 to 1000 Volts CURRENT 3.0 Ampere



SMB

FEATURES

- * Ideal for surface mount applications
- * Easy pick and place
- * Built-in strain relief
- * Fast switching speed

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%.

US3AB	US3BB	US3DE	B US3EB	US3GB	US3JB	US3KB	US3MB	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
			3.	.0				А
			10	00				А
1.0 1.3			1.85			V		
			1	0				μA
200			μA					
50 75				nS				
75				рF				
-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 3. 10 <	50 100 200 300 400 35 70 140 210 280 50 100 200 300 400 50 100 200 300 400	50 100 200 300 400 600 35 70 140 210 280 420 50 100 200 300 400 600 3.0 100 1.0 1.3 10 200 50 50 50 50	50 100 200 300 400 600 800 35 70 140 210 280 420 560 50 100 200 300 400 600 800 50 100 200 300 400 600 800	50 100 200 300 400 600 800 1000 35 70 140 210 280 420 560 700 50 100 200 300 400 600 800 1000 3.0 100 100 1.0 1.3 1.85 100 200 50 75

NOTES:

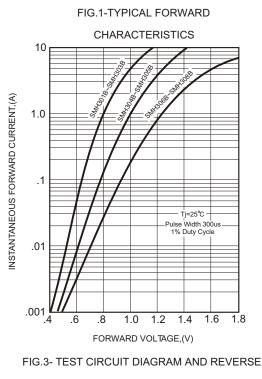
1. Reverse Recovery Time test condition: IF=0.5A, IR=1.0A, IRR=0.25A

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

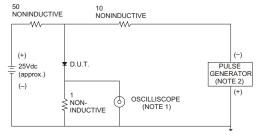


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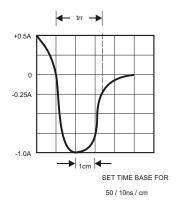
RATING AND CHARACTERISTIC CURVES (US3AB THRU US3MB)

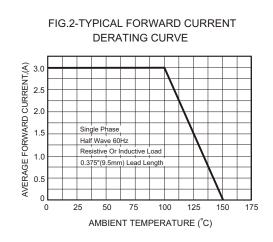


RECOVERY TIME CHARACTERISTICS

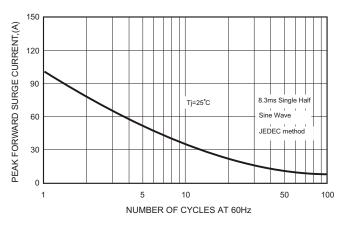


NOTES: 1. Rise Time= 7ns max., Input Impedance= 1 megohm.22pF. 2. Rise Time= 10ns max., Source Impedance= 50 ohms.

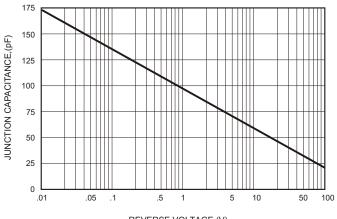












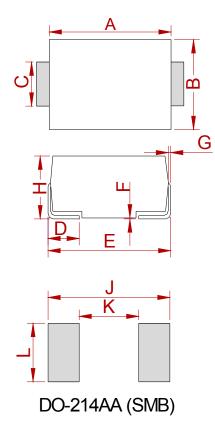
REVERSE VOLTAGE,(V)





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PACKAGE MECHANICAL DATA



	Dimensions						
Ref.	Millir	neters	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
US3AB THRU US3MB	SMB	3000



US3AB THRU US3MB HF 🐼

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