

US2AF - US2MF

SURFACE MOUNT ULTRA FAST RECTIFIER DIODES

VOLTAGE RANGE: 50 - 1000V CURRENT: 2.0 A

Features

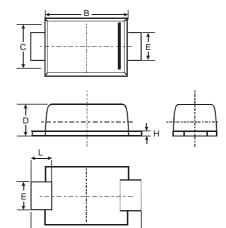
- Glass Passivated Die Construction
- Ideally Suited for Automatic Assembly
- Low Forward Voltage Drop, High Efficiency
- Low Power Loss
- Ultra-Fast Recovery Time
- Plastic Case Material has UL Flammability Classification Rating 94V-O

Mechanical Data

- Case:SMBF , Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Marking: Type Number
- Weight: 0.0018 ounces,0.05grams







	SMBF								
Dim	Min	Max	Тур						
Α	5.45	5.55	5.50						
В	4.27	4.33	4.30						
С	3.57	3.63	3.60						
D	1.32	1.38	1.35						
E	1.96	2.00	1.98						
Н	0.019	0.021	0.20						
L	0.73	0.77	0.75						
All D	All Dimensions in mm								

Maximum Ratings and Electrical Characteristics T_A = 25°C unless otherwise specified

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

Characteristic		Symbol	US2AF	US2BF	US2DF	US2GF	US2JF	US2KF	US2MF	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage		Vrrm Vrwm Vr	50	100	200	400	600	800	1000	V
RMS Reverse Voltage		VR(RMS)	35	70	140	280	420	560	700	V
Average Rectified Output Current	@T _L = 55°C	lo	2.0						Α	
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	50						А	
Forward Voltage	@I _F = 2.0A	VFM	1.0 1.4 1.7					V		
Peak Reverse Current At Rated DC Blocking Voltage	@T _A = 25°C @T _A = 100°C	lгм	10 50						μΑ	
Reverse Recovery Time (Note 1)		trr	50 75						nS	
Typical Junction Capacitance (Note 2)		Cj	20						pF	
Typical Thermal Resistance (Note 3)		R⊕JL	50					°C/W		
Operating and Storage Temperature Range		Тj, Tsтg	-50 to +150					°C		

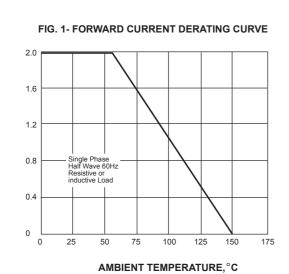
Note: 1. Measured with I_F = 0.5A, I_R = 1.0A, I_{rr} = 0.25A. See figure 5.

- 2. Measured at 1.0 MHz and applied reverse voltage of 4.0 V DC.
- 3. P.C.B. mounted with 0.2x0.2"(5.0x5.0mm) copper pad areas

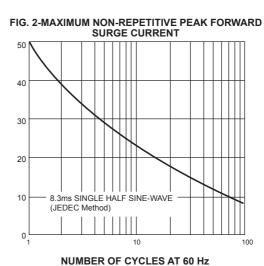


RATINGS AND CHARACTERISTIC CURVES US2AF THRU US2MF

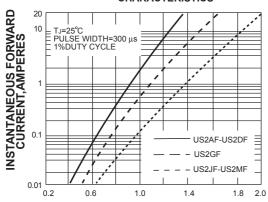


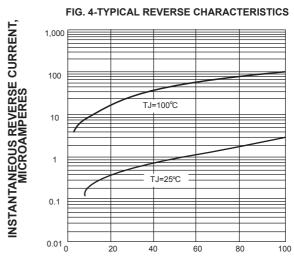




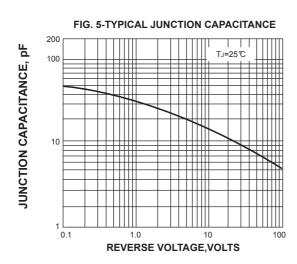




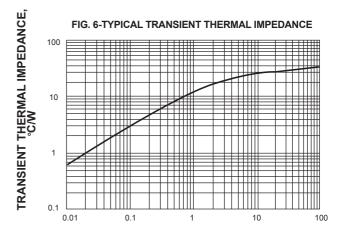




INSTANTANEOUS FORWARD VOLTAGE,







t,PULSE DURATION,sec.

单击下面可查看定价,库存,交付和生命周期等信息

>>SUNMATE(森美特)