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106(2.7 001/21

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



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

TYPE NUMBER	US1AF	US1BF	US1DF	US1GF	US1JF	US1KF	US1MF	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current								
.375"(9.5mm) Lead Length at Ta=55°C	1.0							А
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)	30						А	
Maximum Instantaneous Forward Voltage at 1.0A	1.0			1.3	1.7		V	
Maximum DC Reverse Current Ta=25 C	5.0						μA	
at Rated DC Blocking Voltage Ta=100°C	100							μA
Maximum Reverse Recovery Time (Note 1)	50				75			nS
Typical Junction Capacitance (Note 2)	15						pF	
Operating and Storage Temperature Range TJ, Tstg	-50—+150						°C	

NOTES:

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

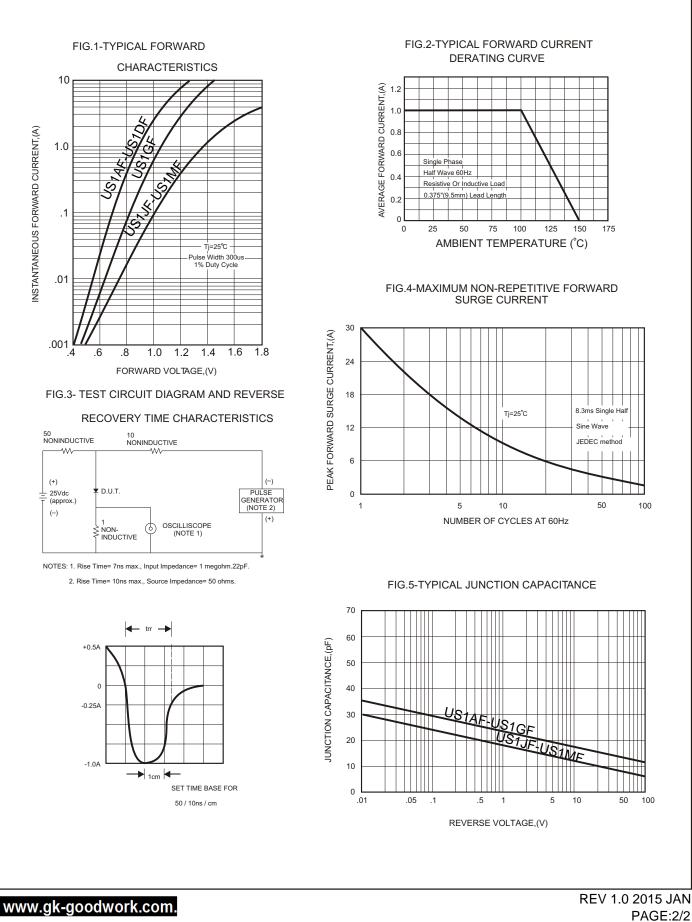
2. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

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0'47(12).031(0.8)

Dimensions in inches and (millimeters)

## RATING AND CHARACTERISTIC CURVES (US1AF THRU US1MF)



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