

075(1.9)

.033(0.85) .022(0.55)

Dimensions in inches and (millimeters)

- * 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%.

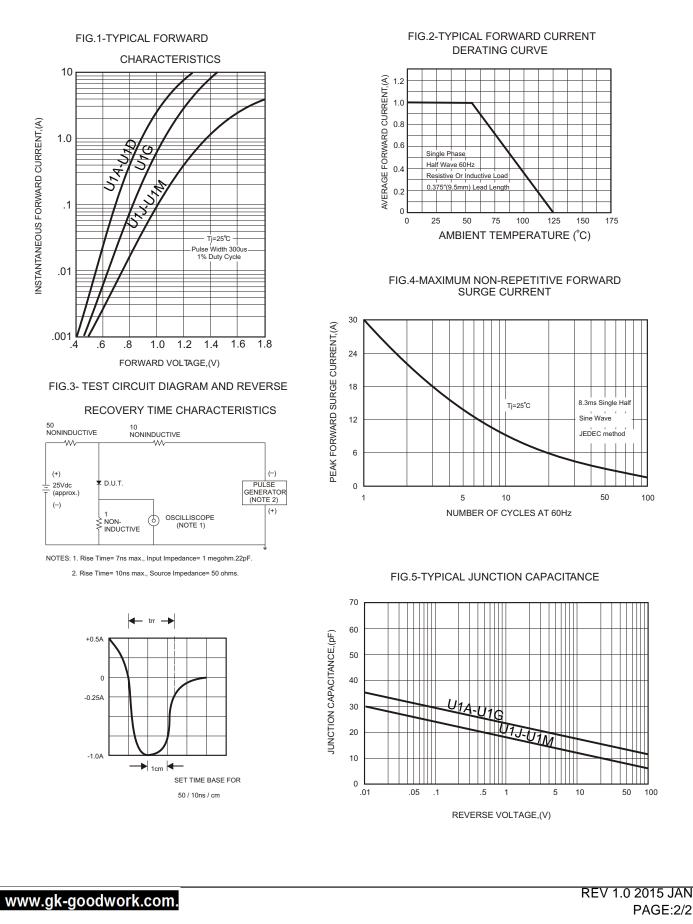
TYPE NUMBER	U1A	U1B	U1D	U1G	U1J	U1K	U1M	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current								
.375"(9.5mm) Lead Length at Ta=55°C	1.0						A	
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)	30						A	
Maximum Instantaneous Forward Voltage at 1.0A	1.0 1			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.

RATING AND CHARACTERISTIC CURVES (U1A THRU U1M)



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