

Anode

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

Cathode

PARAMETER	SYMBOL	UF3A	UF3B	UF3D	UF3G	UF3J	UF3K	UF3M	UNITS
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	50	100	200	400	600	800	1000	v
Maximum RMS Voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	200	400	600	800	1000	V
Maximum Average Forward Current	I <sub>F(AV)</sub>	3							A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I <sub>fsm</sub>	100							A
Maximum Forward Voltage at 3A	V <sub>F</sub>	1 1.3			1.7		V		
Maximum DC Reverse Current at Rated DC Blocking Voltage $\begin{array}{c} T_{J}{=}25^{\circ}C\\ T_{J}{=}125^{\circ}C\end{array}$	I <sub>R</sub>	1 300						μA	
Typical Junction Capacitance (Note 2)	C	75 63					pF		
Typical Thermal Resistance (Note 3)	R <sub>ejl</sub>	15						°C / W	
Maximum Reverse Recovery Time (Note 1)	t <sub>rr</sub>	50 100				100		ns	
Operating Junction and Storage Temperature Range	T <sub>J</sub> , T <sub>stg</sub>	-55 to +150						°C	

NOTES:1. Reverse Recovery Test Conditions: I\_F=0.5A, I\_R=1A, I\_{rr}=0.25A

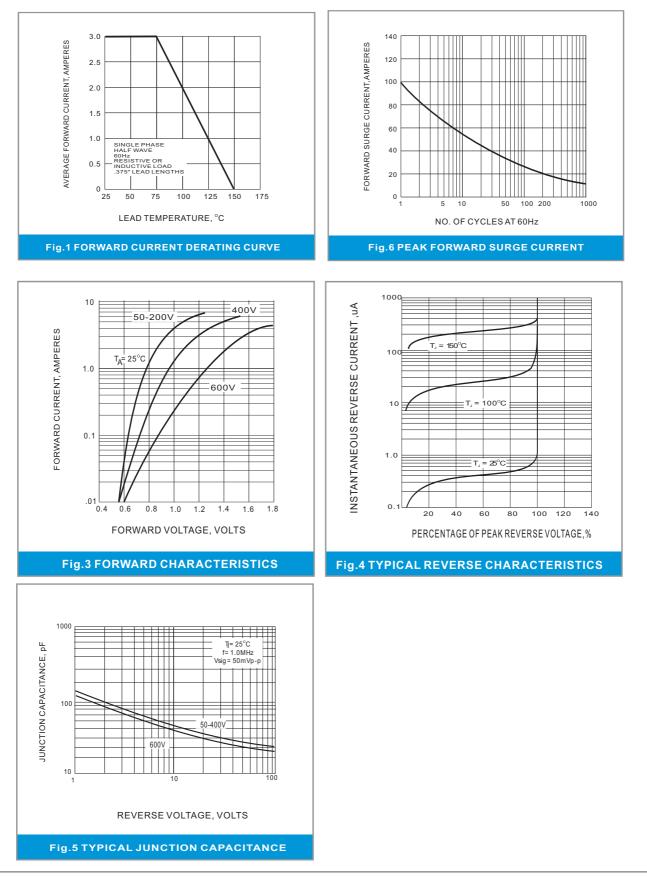
2. Measured at 1 MHz and applied  $V_r = 4$  volts.

3. 8  $\rm mm^2$  ( 0.013mm thick ) land areas.



# UF3A~UF3M

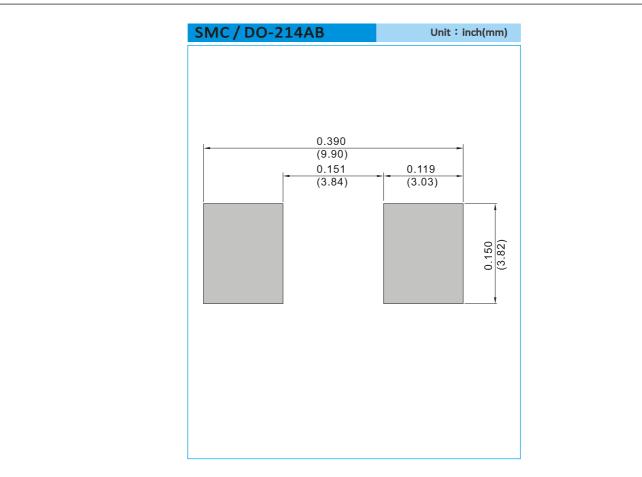
RATING AND CHARACTERISTIC CURVES





## UF3A~UF3M

### MOUNTING PAD LAYOUT



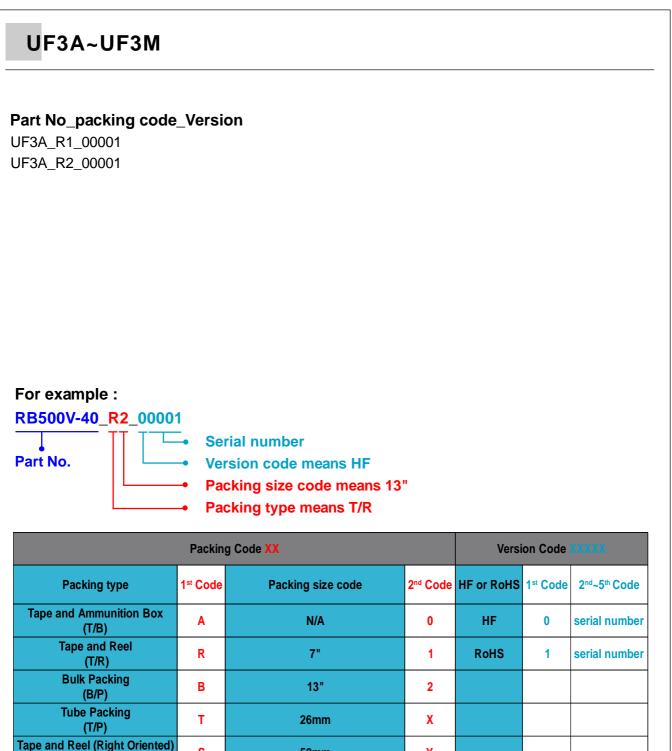
### ORDER INFORMATION

Packing information

T/R - 3K per 13" plastic Reel

T/R - 0.8K per 7" plastic Reel





52mm

PANASERT T/B CATHODE UP

(PBCU) PANASERT T/B CATHODE DOWN

(PBCD)

Y

U

D

S

L

F

(TRR) Tape and Reel (Left Oriented)

(TRL)

FORMING





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UF3K\_R1\_00001 UF3K\_R2\_00001