

VOLTAGE	50 to 800 Volt	CURRENT	8 Ampere	ITO-220AC	Unit : inch(mm		
FEATURES				-			
Flammability Flame Retard	age has Underwriters La Classification 94V-O ut dant Epoxy Molding Cor	ilizing	(g)         0.406(10.3)         (g)         (g)           (g)         0.381(9.7)         (g)         (g)         (g)           (g)         0.134(3.4)         (g)         (g)         (g)           (g)         0.118(3.0)         (g)         (g)         (g)           (g)         0.118(3.0)         (g)         (g)         (g)	0.189(4.8) 0.165(4.2) 0.130(3.3) 0.114(2.9)			
•	oss, high efficiency						
<ul> <li>Low forward voltge, high current capability</li> </ul>				0.063(1.6)MAX	0.606(15.4) 0.583(14.8) 0.583(14.8) 0.583(14.8)		
High surge capacity				3(1.6	0.583(14 0.583(12 0.128(3.25) MIN.		
<ul> <li>Ultra fast rec</li> </ul>	overy times, high voltag	е		0.00	0.12		
<ul> <li>Glass passiv</li> </ul>	ation junction				0.114(2.9)		
Lead free in compliance with EU RoHS2.0 (2011/65/EU & 2015/865/EU directive)				0.055(1.4) 0.039(1.0) 0.055(1.4) 0.039(1.0) 0.028(0.7) 0.028(0.7)	(0.098(2.5)) (0.098(2.5)) (0.098(2.5)) (0.098(2.5))		
<ul> <li>Green moldi</li> </ul>	ng compound as per IEC	C61249 Std (Halo	ogen Free)	0.019(0.5)	0		
MECHANCA	L DATA			0.100(2.55)	<u>5)</u> -11 <u>0.027(0.67)</u> 0.022(0.57)		
• Case: ITO-2	20AC full molded plastic	c package		· / /==/==/ ·····			
• Terminals: Lead solderable per MIL-STD-750, Method 2026				()—∣◀—③			
Polarity: As	marked.				-		
<ul> <li>Standard p</li> </ul>	ackaging: Any						

• Weight: 0.055 ounces, 1.56 grams.

### 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%

PARAMETER	SYMBOL	UF800F	UF801F	UF802F	UF803F	UF804F	UF806F	UF808F	UNITS
Maximum Recurrent Peak Reverse Voltage		50	100	200	300	400	600	800	V
Maximum RMS Voltage	V <sub>RMS</sub>	35	70	140	210	280	420	560	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	200	300	400	600	800	V
Maximum Average Forward Rectified Current at T <sub>c</sub> =100°C		8						A	
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I <sub>FSM</sub>	125				А			
Maximum Forward Voltage at 8A	V <sub>F</sub>	1			1.3		1.7		V
Maximum DC Reverse Current at Rated DC Blocking $T_{A}=25^{\circ}C$ Voltage $T_{A}=125^{\circ}C$				μΑ					
Maximum Thermal Resistance (Note 2)	$R_{_{\!$	5						°C / W	
Typical Junction Capacitance	C」	80 50					pF		
Maximum Reverse Recovery Time (Note 1)	t <sub>rr</sub>	50 100		00	ns				
Operating Junction and Storage Temperature Range	T_J,T <sub>STG</sub>	-55 to +150						°C	

#### NOTES:

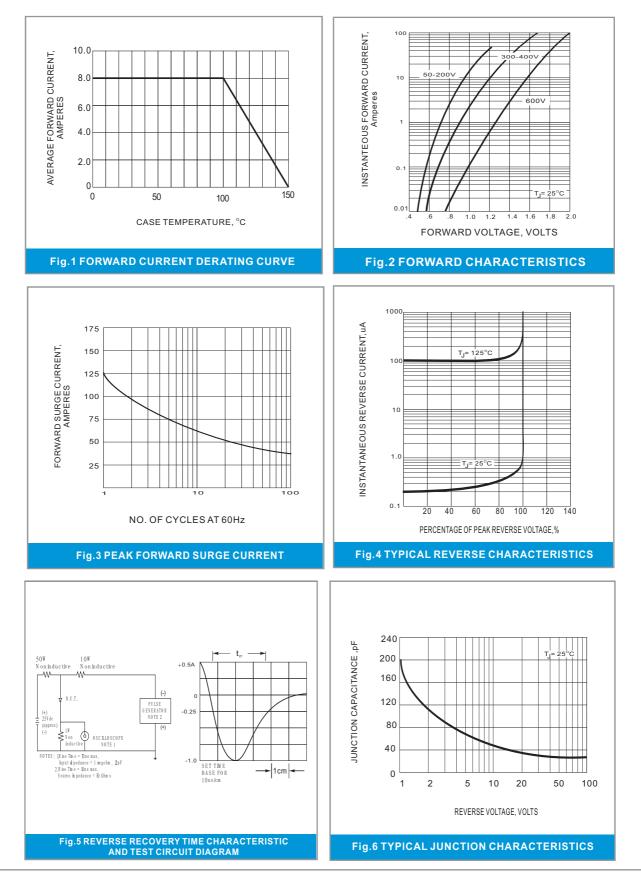
1. Reverse Recovery Test Conditions: IF=0.5A, IR=-1A, Irr=-0.25A.

2. Thermal resistance from Junction to ambient and from junction to lead 0.375" (9.5mm) P.C.B mounted.

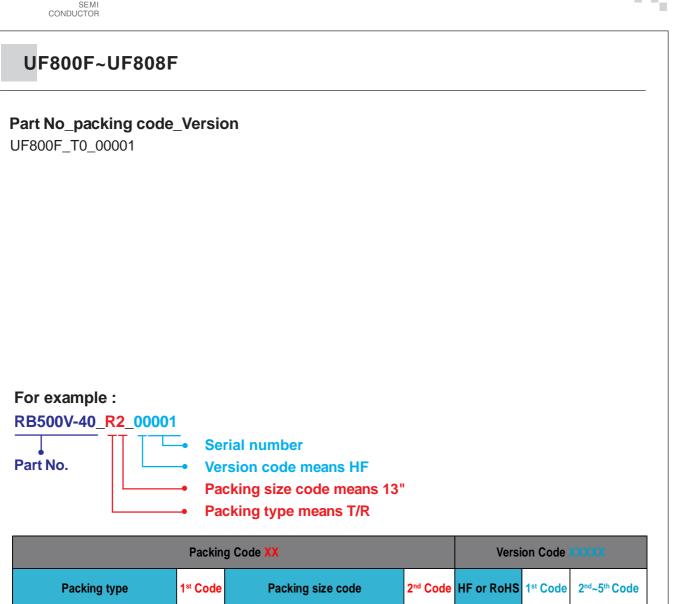


## UF800F~UF808F

## **RATING AND CHARACTERISTIC CURVES**







Packing type	1 <sup>st</sup> Code	Packing size code	2 <sup>nd</sup> Code	HF or RoHS	1 <sup>st</sup> Code	2 <sup>nd</sup> ~5 <sup>th</sup> Code
Tape and Ammunition Box (T/B)	Α	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	В	13"	2			
Tube Packing (T/P)	т	26mm	X			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			





# Disclaimer

- Reproducing and modifying information of the document is prohibited without permission from Panjit International Inc..
- Panjit International Inc. reserves the rights to make changes of the content herein the document anytime without notification. Please refer to our website for the latest document.
- Panjit International Inc. disclaims any and all liability arising out of the application or use of any product including damages incidentally and consequentially occurred.
- Panjit International Inc. does not assume any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.
- Applications shown on the herein document are examples of standard use and operation. Customers are responsible in comprehending the suitable use in particular applications. Panjit International Inc. makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.
- The products shown herein are not designed and authorized for equipments requiring high level of reliability or relating to human life and for any applications concerning life-saving or life-sustaining, such as medical instruments, transportation equipment, aerospace machinery et cetera. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Panjit International Inc. for any damages resulting from such improper use or sale.
- Since Panjit uses lot number as the tracking base, please provide the lot number for tracking when complaining.