

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						
 Low forward voltge, high current capability 				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.		
 Ultra fast rec 	overy times, high voltag	е		0.00	0.12		
 Glass passiv 	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))		
 Green moldi 	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.				-		
 Standard p 	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 _{RMS}	35	70	140	210	280	420	560	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	300	400	600	800	V
Maximum Average Forward Rectified Current at T _c =100°C		8						A	
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I _{FSM}	125				А			
Maximum Forward Voltage at 8A	V _F	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 _{rr}	50 100		00	ns				
Operating Junction and Storage Temperature Range	T_J,T _{STG}	-55 to +150						°C	

NOTES:

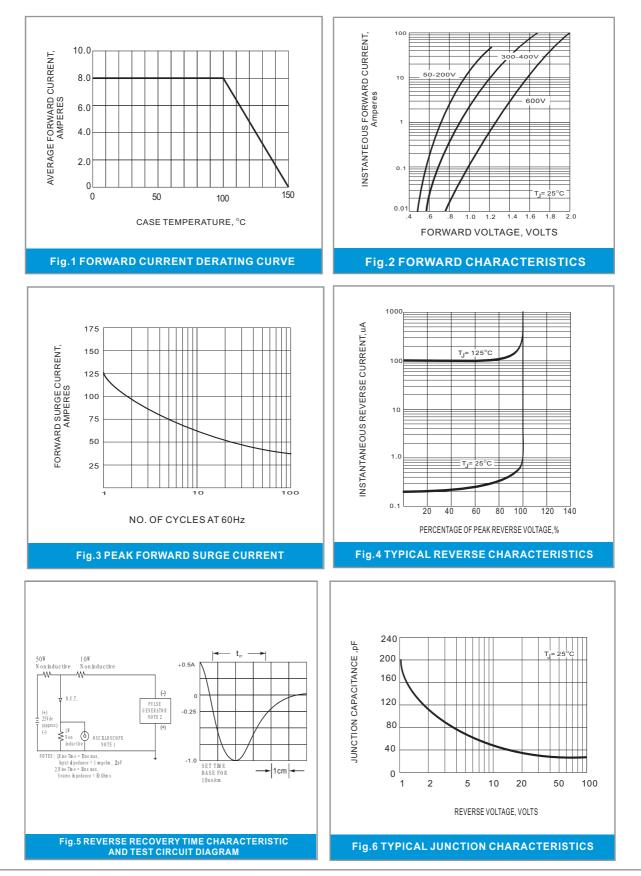
1. Reverse Recovery Test Conditions: IF=0.5A, IR=-1A, Irr=-0.25A.

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

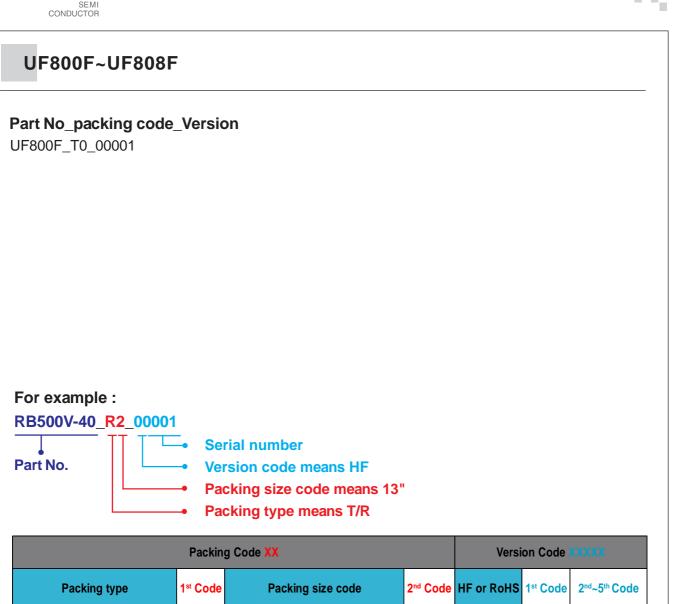


UF800F~UF808F

RATING AND CHARACTERISTIC CURVES







Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th 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			





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