

# ULTRA FAST RECOVERY RECTIFIER

OPERATING AND STORAGE TEMP RANGE -55°C TO +150°C

TYPE	INDUSTRY PART NO	PEAK INVERSE VOLTAGE	MAX AVG RECT CURRENT	MAX FWD SURGE CURRENT 1CYCLE 60HZ	MAX FWD VOLTAGE @RATED CURRENT	MAX REVERSE CURRENT @25°C@ RATED PIV	REVERSE RECOVERY TIME I <sub>F</sub> 0.5A	OUTLINE IN INCHES(mm)
	IND P/N	P <sub>IV</sub> (V)	I <sub>O</sub> (A)	I <sub>FSM</sub> (A <sub>PK</sub> )	V <sub>FM</sub> (V)	I <sub>R</sub> (μA)	T <sub>RR</sub> (ns)	
UFF80-005 UFF80-01 UFF80-02 UFF80-03 UFF80-04 UFF80-05 UFF80-06	FES8AT FES8BT FES8DT FES8FT FES8GT FES8HT FES8JT	50 100 200 300 400 500 600	8.0A	125	0.95 0.95 0.95 1.30 1.30 1.50 1.50	10	35 35 35 50 50 50 50	<b>ITO-220AC</b> 
UFF100-005 UFF100-01 UFF100-02 UFF100-03 UFF100-04 UFF100-05 UFF100-06		50 100 200 300 400 500 600	10A	125	1.10 1.10 1.10 1.30 1.30 1.50 1.50	10	35 35 35 50 50 50 50	
UFF160-005 UFF160-01 UFF160-02 UFF160-03 UFF160-04 UFF160-05 UFF160-06		50 100 200 300 400 500 600	16A	200	0.95 0.95 0.95 1.30 1.30 1.50 1.50	10	35 35 35 50 50 50 50	
UFF200-005 UFF200-01 UFF200-02 UFF200-03 UFF200-04 UFF200-05 UFF200-06		50 100 200 300 400 500 600	20A	250	1.00 1.00 1.00 1.30 1.30 1.50 1.50	10	35 35 35 50 50 50 50	

NOTE: T<sub>RR</sub> TEST CONDITIONS (1) I<sub>F</sub>=0.5A, I<sub>R</sub>=1A, I<sub>RR</sub>=0.25A (2) I<sub>F</sub>=1A, V<sub>R</sub>=30V (3) I<sub>F</sub>=I<sub>R</sub>=10mA I<sub>RR</sub>=1mA

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	IND P/N	P <sub>IV</sub> (V)	I <sub>O</sub> (A)	I <sub>FSM</sub> (A <sub>PK</sub> )	V <sub>FM</sub> (V)	I <sub>R</sub> (μA)	T <sub>RR</sub> (ns)		
UFF80-005CT UFF80-01CT UFF80-015CT UFF80-02CT UFF80-03CT UFF80-04CT UFF80-05CT UFF80-06CT		50 100 150 200 300 400 500 600	8.0A	125	0.95 0.95 0.95 0.95 1.30 1.30 1.50 1.50	10	35 35 35 35 50 50 50 50		
UFF100-005CT UFF100-01CT UFF100-015CT UFF100-02CT UFF100-03CT UFF100-04CT UFF100-05CT UFF100-06CT		50 100 150 200 300 400 500 600	10A	125	1.10 1.10 1.10 1.10 1.30 1.30 1.50 1.50	10	35 35 35 35 50 50 50 50		
UFF160-005CT UFF160-01CT UFF160-015CT UFF160-02CT UFF160-03CT UFF160-04CT UFF160-05CT UFF160-06CT	FEP16AT FEP16BT FEP16CT FEP16DT FEP16FT FEP16GT FEP16HT FEP16JT	50 100 150 200 300 400 500 600	16A	200	0.95 0.95 0.95 0.95 1.30 1.30 1.50 1.50	10	35 35 35 35 50 50 50 50		
UFF200-005CT UFF200-01CT UFF200-015CT UFF200-02CT UFF200-03CT UFF200-04CT UFF200-05CT UFF200-06CT		50 100 150 200 300 400 500 600	20A	250	1.00 1.00 1.00 1.00 1.30 1.30 1.50 1.50	10	35 35 35 35 50 50 50 50		
UF300-005 UF300-01 UF300-015 UF300-02 UF300-03 UF300-04 UF300-05 UF300-06	FEP30AT FEP30BT FEP30CT FEP30DT FEP30FT FEP30GT FEP30HT FEP30JT	50 100 150 200 300 400 500 600	30A	300	0.95 0.95 0.95 0.95 1.30 1.30 1.50 1.50	10	35 35 35 35 50 50 50 50		<b>TO-3P</b> 

NOTE: T<sub>RR</sub> TEST CONDITIONS (1) I<sub>F</sub>=0.5A, I<sub>R</sub>=1A, I<sub>RR</sub>=0.25A (2) I<sub>F</sub>=1A, V<sub>R</sub>=30V (3) I<sub>F</sub>=I<sub>R</sub>=10mA I<sub>RR</sub>=1mA

VF of ITO-220AB IS MEASURED PER LEG WITH HALF OF THE I<sub>O</sub> CURRENT