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High Voltage Rectifier Stacks

Original Release: 01-15-08
Revised Date: 08-21-12

0.5A - 2.2A • 70ns - 150ns • Axial Leaded

ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS:

Part Number	Working Reverse Voltage (Vrwm)	Average Rectified Current (in oil) (Io)		Reverse Current @ Vrwm (Ir)		Forward Voltage (Vf)		1 Cycle Surge Current tp=8.3ms (Ifsm)	Repetitive Surge Current (Ifrm)	Reverse Recovery Time (1) (Trr)	Case Length (L)
		55°C	100°C	25°C	100°C	25°C		25°C	25°C	25°C	
	Volts	Amps	Amps	µA	µA	Volts	Amps	Amps	Amps	ns	in.
SP25UF	2500	0.5	0.33	1.0	25	6.0	1.5	60	10	70	1.125
SP50UF	5000	0.5	0.33	1.0	25	11.0	1.0	40	8	70	2.000
SP75UF	7500	0.5	0.33	1.0	25	16.0	1.0	40	8	70	2.750
SP100UF	10000	0.5	0.33	1.0	25	16.0	1.0	40	8	70	3.500
SP125UF	12500	0.5	0.33	1.0	25	24.0	1.0	40	8	70	4.250
SP150UF	15000	0.5	0.33	1.0	25	24.0	1.0	40	8	70	4.250
SP200UF	20000	0.5	0.33	1.0	25	32.0	1.0	40	8	70	4.250
SP250UF	25000	0.5	0.33	1.0	25	40.0	1.0	40	8	70	4.250
SP25F	2500	0.5	0.33	1.0	25	6.0	1.5	60	10	150	1.125
SP50F	5000	0.5	0.33	1.0	25	8.0	1.0	40	8	150	2.000
SP75F	7500	0.5	0.33	1.0	25	16.0	1.0	40	8	150	2.750
SP100F	10000	0.5	0.33	1.0	25	16.0	1.0	40	8	150	3.500
SP125F	12500	0.5	0.33	1.0	25	24.0	1.0	40	8	150	4.250
SP150F	15000	0.5	0.33	1.0	25	24.0	1.0	40	8	150	4.250
SP200F	20000	0.5	0.33	1.0	25	32.0	1.0	40	8	150	4.250
SP250F	25000	0.5	0.33	1.0	25	40.0	1.0	40	8	150	4.250
FP25F	2500	2.2	1.30	2.0	50	6.0	3.0	120	20	150	1.500
FP50F	5000	2.2	1.30	2.0	50	13.0	3.0	120	20	150	2.500
FP75F	7500	2.2	1.30	2.0	50	18.0	3.0	120	20	150	3.500
FP100F	10000	2.2	1.30	2.0	50	24.0	3.0	120	20	150	4.500
FP125F	12500	2.2	1.30	2.0	50	30.0	3.0	120	20	150	5.500
FP150F	15000	2.2	1.30	2.0	50	36.0	3.0	120	20	150	6.500
FP175F	17500	2.2	1.30	2.0	50	42.0	3.0	120	20	150	6.500
FP200F	20000	2.2	1.30	2.0	50	48.0	3.0	120	20	150	6.500
FP175UF	17500	2.2	1.30	2.0	50	42.0	3.0	120	20	100	6.500
FP200UF	20000	2.2	1.30	2.0	50	48.0	3.0	120	20	100	6.500
FP250UF	25000	2.2	1.30	2.0	100	75.0	2.0	120	20	100	7.900

(1)Trr Testing, If=0.5mA, Ir=1.0A, Irr=0.25A. *Op. Temp. = -55°C to +150°C. Stg. Temp.= -55°C to +150°C.

Part	A	B
SP(XXXXX)	.500 ±.020 (12.70 ±.51)	.250 ±.020 (6.35 ±.51)
FP(XXXXX)	.690 ±.020 (17.53 ±.51)	.380 ±.020 (9.65 ±.51)
FP250UF	.700 ±.020 (17.78 ±.51)	.400 ±.020 (10.16 ±.51)