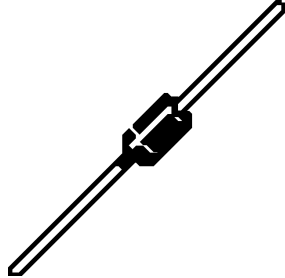




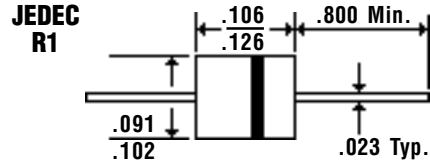
1.0 Amp FAST RECOVERY PLASTIC RECTIFIERS

F1F1 ... F7 Series

Description



Mechanical Dimensions



Features

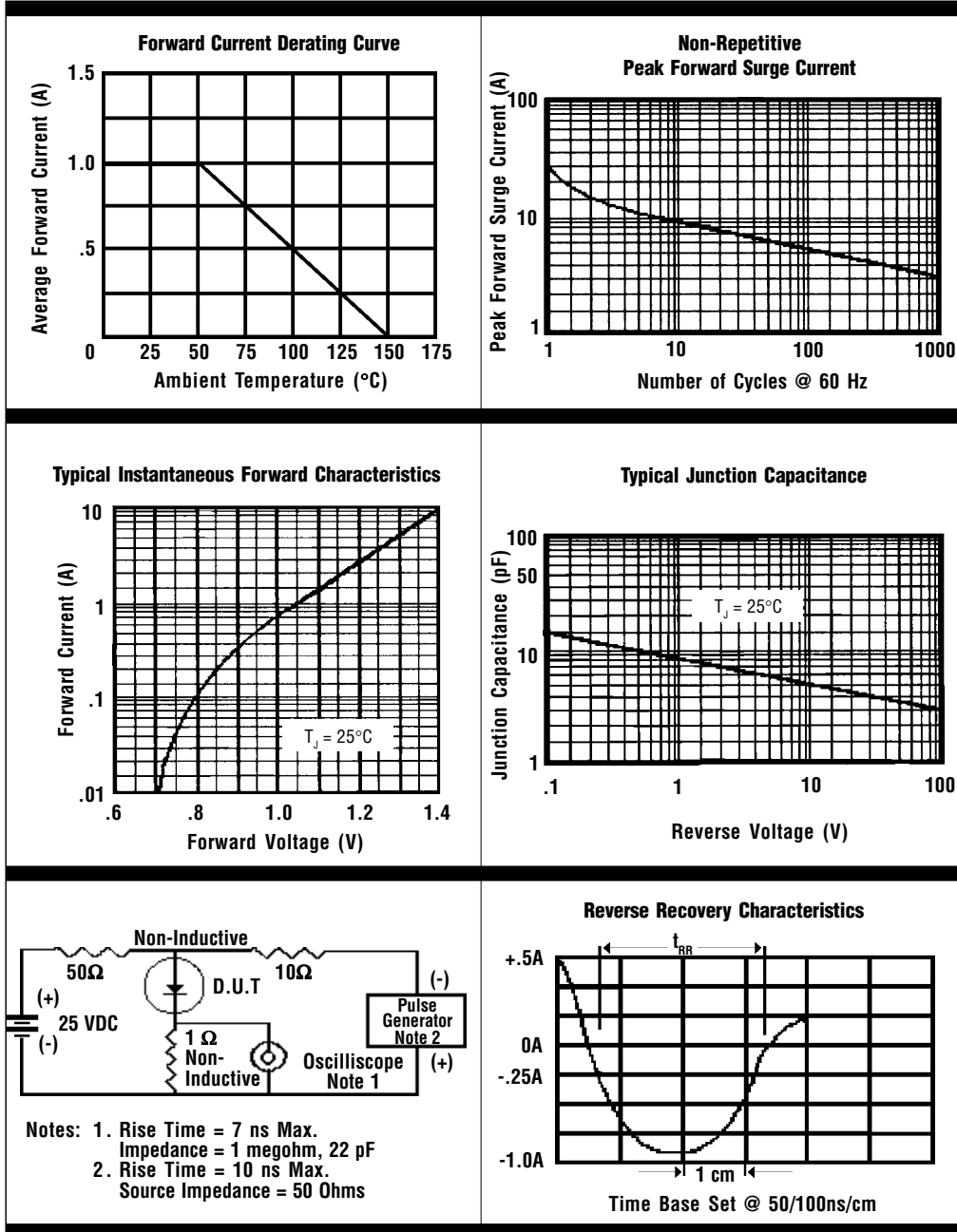
- FAST SWITCHING FOR HIGH EFFICIENCY
- HIGH SURGE CAPABILITY
- 1.0 AMP OPERATION @ $T_A = 55^\circ\text{C}$, WITH NO THERMAL RUNAWAY
- MEETS UL SPECIFICATION 94V-0

F1F1 ... F7 Series								Units
Maximum Ratings	F1F1	F1F2	F1F3	F1F4	F1F5	F1F6	F1F7	
Peak Repetitive Reverse Voltage... V_{RRM}	50	100	200	400	600	800	1000	Volts
RMS Reverse Voltage... $V_{R(rms)}$	35	70	140	280	420	560	700	Volts
DC Blocking Voltage... V_{DC}	50	100	200	400	600	800	1000	Volts
Average Forward Rectified Current... $I_{F(av)}$ $T_A = 55^\circ\text{C}$	.....			1.0	.....			Amps
Non-Repetitive Peak Forward Surge Current... I_{FSM} @ Rated Current & Temp	.....			50	.....			Amps
Operating & Storage Temperature Range... T_J, T_{STRG}	.....			-65 to 150	.....			$^\circ\text{C}$
Electrical Characteristics								
Maximum Forward Voltage @ 1.0A... V_F	.....			1.3	.....			Volts
Maximum DC Reverse Current... I_R @ Rated DC Blocking Voltage	.....			5.0	.....			μAmps
	.....			100	.....			μAmps
Typical Junction Capacitance... C_j (Note 1)	.....			15	.....			pF
Maximum Reverse Recovery Time... t_{RR}	150	150	150	150	250	500	500	ns



1.0 Amp FAST RECOVERY PLASTIC RECTIFIERS

F1F1 . . . F7 Series



NOTES: 1. Measured @ 1 MHz and applied reverse voltage of 4.0V.
 2. Thermal Resistance Junction to Ambient, Jedec Method.