



查询FIAT供应商

捷多邦, 专业PCB打样工厂, 24小

F1A1 THRU F1A7 时加急出货

1.0 AMP. FAST RECOVERY RECTIFIERS

VOLTAGE RANGE

50 to 1000 Volts

CURRENT

1.0 Amperes

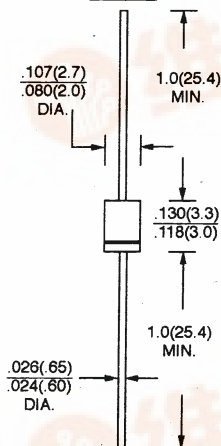
FEATURES

- * Low forward voltage drop
- * High current capability
- * High reliability
- * High surge current capability

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: UL 94V-0 rate flame retardant
- * Lead: Axial leads, solderable per MIL-STD-202, method 208 guaranteed
- * Polarity: Color band denotes cathode end
- * Mounting Position: Any
- * Weight: 0.20grams

R-1



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 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%

TYPE NUMBER	SYMBOLS	F1A1	F1A2	F1A3	F1A4	F1A5	F1A6	F1A7	UNITS	
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V	
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V	
Maximum D.C Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V	
Maximum Average Forward Rectified Current .375" (9.5mm) lead length @ $T_A = 40^{\circ}C$	$I_{F(AV)}$	1.0							A	
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load(JEDEC method)	I_{FSM}	25							A	
Maximum Instantaneous Forward Voltage at 1.0A	V_F	1.3							V	
Maximum D.C Reverse Current @ $T_A = 25^{\circ}C$ at Rated D.C Blocking Voltage @ $T_A = 100^{\circ}C$	I_R	5.0 100							μA μA	
Maximum Reverse Recovery Time(Note 1)	T_{RR}	150				250		500		nS
Typical Junction Capacitance (Note 2)	C_J	15							pF	
Operating Temperature Range	T_J	- 65 to + 125							$^{\circ}C$	
Storage Temperature Range	T_{STG}	- 65 to + 150							$^{\circ}C$	

NOTES: 1. Reverse Recovery Test Conditions: $I_F = 0.5A$, $I_R = 1.0A$, $I_{RR} = 0.25A$.

2. Measured at 1 MHz and applied reverse voltage of 4.0V D.C.

