鲁晶 LUJING

1F1 ------- 1F7

PLASTIC SILICON RECTIFIERS

VOLTAGE RANGE: 50 --- 1000 V
CURRENT: 1.0 A

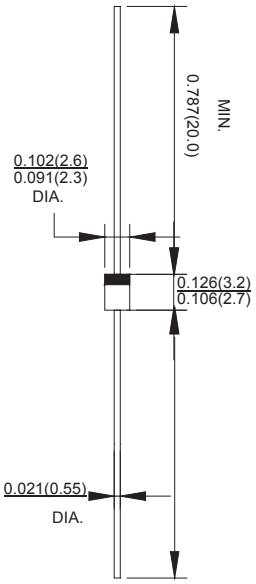
Features

- ●High current capability
- ●Fast switching for high efficiency
- ●Low leakage
- ●Flammability Classification 94V-O utilizing
- ●Exceeds environmental standards of MIL-S-19500/228

Mechanical Data

- ●Case: Moeded Plastic R-1
- ●Terminals: Axial leads solderable to MIL-STD-202,Method 208
- ●Polarity: Color Band denotes cathode end
- ●Mounting Position: Any

R-1



Dimensions in inches and(millimeters)

MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)Single phase,half wave,60 Hz,resistive or inductive load. For capacitive load,derate by 20%.

Characteristic	Symbois	1F1	1F2	1F3	1F4	1F5	1F6	1F7	Unit
Maximum Peak Repetitive Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	
Average Forward Current375″(9.5mm) lead length at @TA=55℃	Io	1							A
Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	30							A
Maximum Forward Voltage at 1.0A DC	VFM	1.3							V
Maximum DC Reverse Current @TA=25℃ At Rated DC Blocking Voltage @TA=100℃	I_R	5 500							Ua
Typical Junction Capacitance (Note 1)	Cj	12							PF
Typical Thermal Resistance (Note 3)	RθJA	65							K/W
Maximum Reverse Recovery Time (Note2)		150	150	150	150	250	500	500	
Operating and Storage Temperature Range	T_J T_{STG}	-55 TO +150							℃

Note: 1. Measured at 1.0 MHz and Applied reverse Voltage of 4.0V D.C

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

3. Thermal resistance from junction to ambient and from junction to lead at 0.375″(9.5mm) lead length P.C.B.mounted with 0.22×0.22″(5.5×5.5mm) copper pads mounted.