## DC COMPONENTS CO., LTD.

## **RECTIFIER SPECIALISTS**

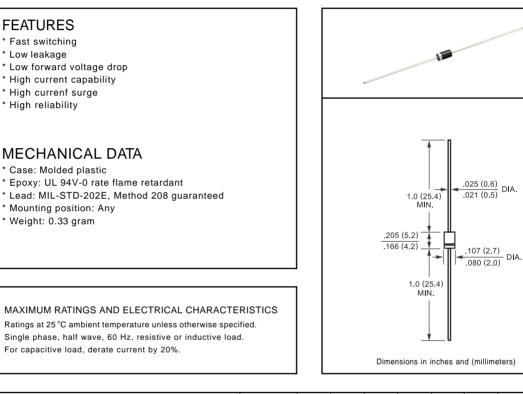
RL101F THRU RL107F

A-405

## TECHNICAL SPECIFICATIONS OF FAST RECOVERY RECTIFIER

VOLTAGE RANGE - 50 to 1000 Volts

CURRENT - 1.0 Ampere



	SYMBOL	RL101F	RL102F	RL103F	RL104F	RL105F	RL106F	RL107F	UNITS
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	Vrms	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current at TA = 55°C	lo	1.0							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	30							Amps
Maximum Instantaneous Forward Voltage at 1.0A DC	VF	1.3							Volts
Maximum DC Reverse Current at Rated DC Blocking Voltage TA = 25°C	IR 5.0								uAmps
Maximum Full Load Reverse Current Full Cycle Average, .375*(9.5mm) lead length at T ∟ = 55°C									uAmps
Maximum Reverse Recovery Time (Note 1)	trr		1	50		250	5	00	nSec
Typical Junction Capacitance (Note 2)	CJ	15						pF	
Operating and Storage Temperature Range	TJ, TSTG	-65 to + 150							٥C

NOTES : 1. Test Conditions: IF = 0.5A, IR = 1.0A, IRR = 0.25A

2. Measured at 1 MHz and applied reverse voltage of 4.0 volts

