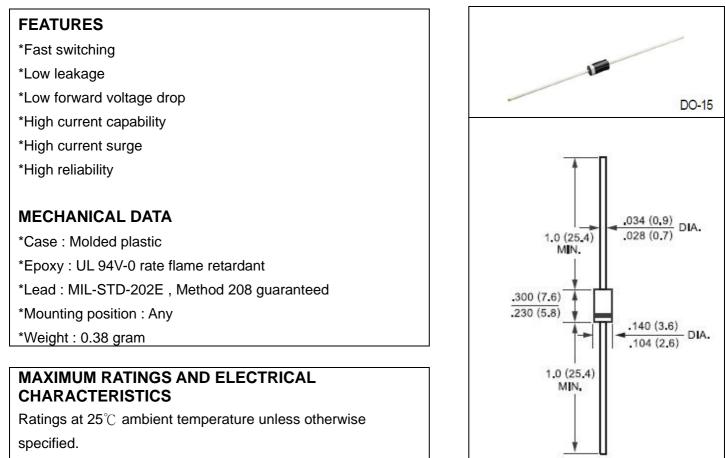


## HITANO ENTERPRISE CORP.

## FR201-FR207

## TECHNICAL SPECIFICATIONS OF FAST RECTIFIER VOLTAGE RANGE – 50 to 1000 Volts CURRENT – 2.0 Amperes



Single phase, half wave, 60 Hz , resistive or inductive load.

For capacitive load , derate current by 20%.

	SYMBOL	FR201	FR202	FR203	FR204	FR205	FR206	FR207	UNITS
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	50	100	200	400	600	800	1000	Valts
Maximum RMS Voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	Valts
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	200	400	600	800	1000	Valts
Maximum Average Forward Rectified Current At $T_A = 75^{\circ}C$	lo	2.0							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)	I <sub>FSM</sub>	70							Amps
Maximum instantaneous Forward Voltage at 2.0A DC	$V_{F}$	1.3							Valts
Maximum DC Reverse Current at Rated DC Blocking Voltage $T_A$ =25°C		5.0							uAmp s
Maximum Full Load Reverse Current Full Cycle Average, .375*(9.5mm) lead length at TL=55 $^\circ\!\!\mathbb{C}$	I <sub>R</sub>		100						
Maximum Reverse Recovery Time (Note 1)	trr		150		25	50	50	00	nSec
Typical Junction Capacitance (Note 2)	CJ	40							pF
Operating and Storage Temperature Range	T <sub>J</sub> , T <sub>STG</sub>	-60 to +150							°C

Dimensions in inches and (millimeters)

NOTES: 1. Test Conditions :  $I_{\text{F}}$  = 0.5A ,  $I_{\text{R}}$  = 1.0A ,  $I_{\text{RR}}$  = 0.25A

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

## RATING AND CHARACTERISTIC CURVES (FR201 THRU FR207)

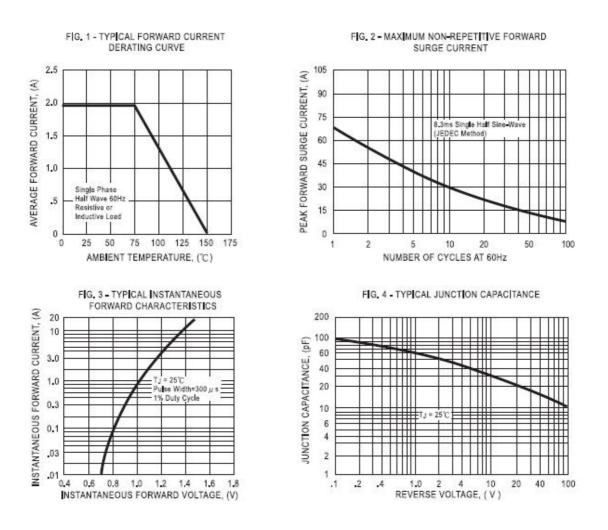


FIG. 5 - TEST CIRCUIT DIAGRAM AND REVERSE RECOVERY TIME CHARACTERISTIC

