

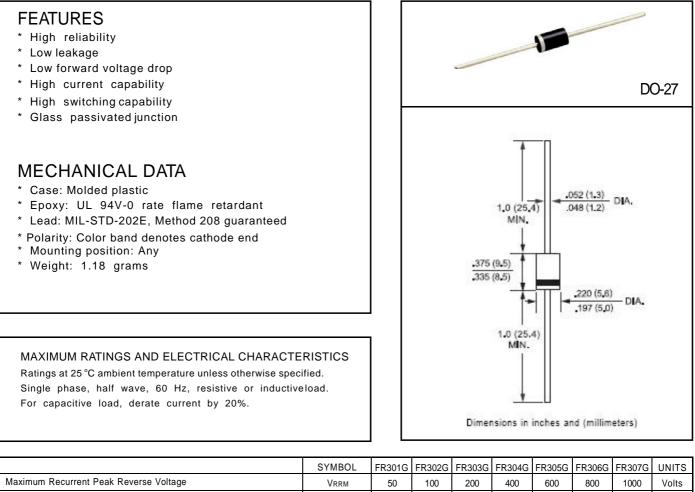
HITANO ENTERPRISE CORP.

FR301G THRU FR307G

TECHNICAL SPECIFICATIONS OF FAST RECOVERY GLASS PASSIVATED RECTIFIER

VOLTAGE RANGE - 50 to 1000 Volts

CURRENT - 3.0 Amperes



	STWDOL	FROUIG	LK207G	LY202G	FK3040	LK202G	LK200G	LK2010	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	3.0							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	125							Amps
Maximum Instantaneous Forward Voltage at 3.0A 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 Average, Full Cycle .375*(9.5mm) lead length at T ∟ = 55°C	IR	100							uAmps
Maximum Reverse Recovery Time (Note 1)	trr		1	50		250	5	00	nSec
Typical Junction Capacitance (Note 2)	CJ	50							pF
Operating and Storage Temperature Range	Tj, Tstg	-65 to + 150							° C

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

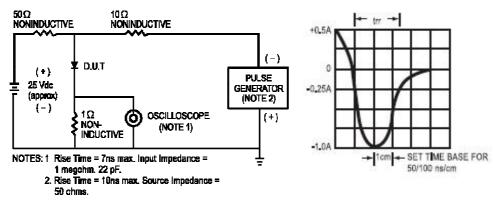
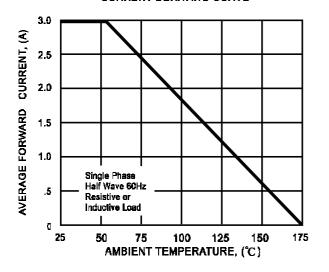
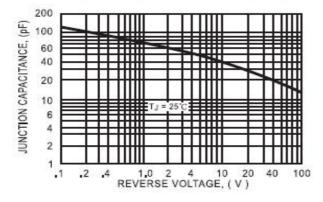


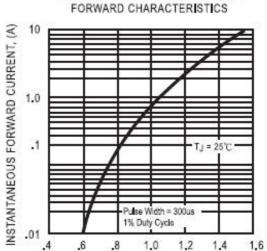
FIG. 1 - TEST CIRCUIT DIAGRAM AND REVERSE RECOVERY TIME CHARACTERISTIC











INSTANTANEOUS FORWARD VOLTAGE, (V)

FIG. 3 - TYPICAL INSTANTANEOUS

