

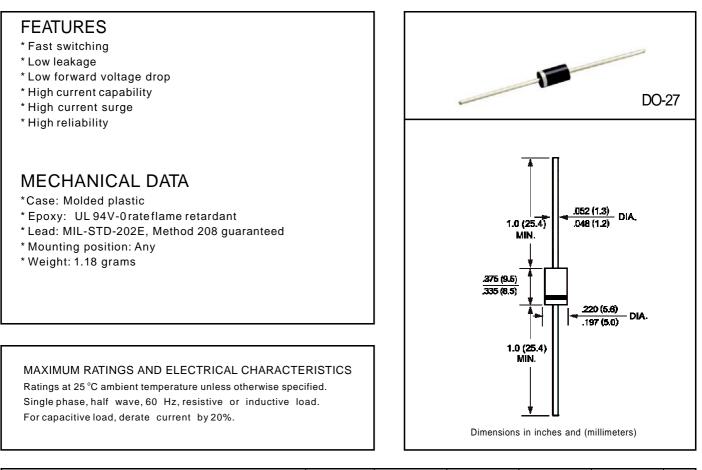
HITANO ENTERPRISE CORP.

BY396 THRU BY399

TECHNICAL SPECIFICATIONS OF FAST RECOVERY RECTIFIER

VOLTAGE RANGE - 100 to 800 Volts

CURRENT - 3.0 Amperes



	SYMBOL	BY396	BY397	BY398	BY399	UNITS
Maximum Recurrent Peak Reverse Voltage	Vrrm	100	200	400	800	Volts
Maximum RMS Voltage	Vrms	70	140	280	560	Volts
Maximum DC Blocking Voltage	VDC	100	200	400	800	Volts
Maximum Average Forward Rectified Current at TA= 75°C	lo	3.0				Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	200				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	IB IB	10				uAmps
Maximum Full Load Reverse Current Average, Full Cycle .375*(9.5mm) lead length at T L = 55°C	IK	150				uAmps
Maximum Reverse Recovery Time (Note 1)	trr	150		500	nSec	
Typical Junction Capacitance (Note 2)	CJ	65				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

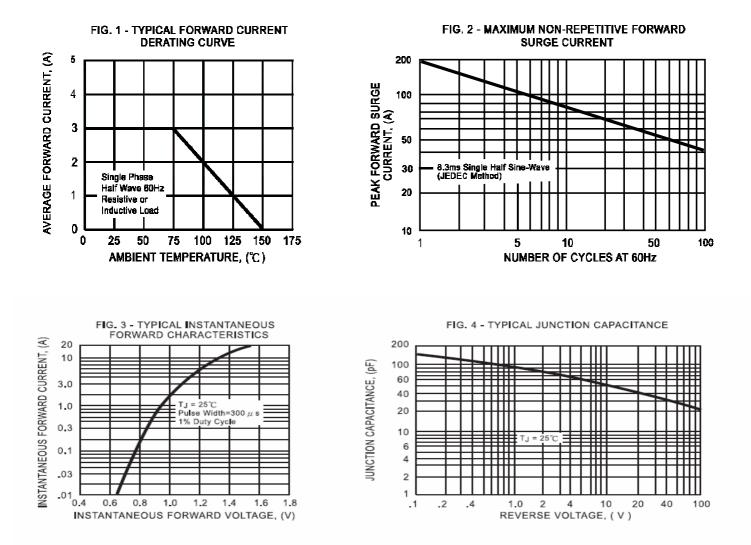


FIG. 1 - TEST CIRCUIT DIAGRAM AND REVERSE RECOVERY TIME CHARACTERISTIC

