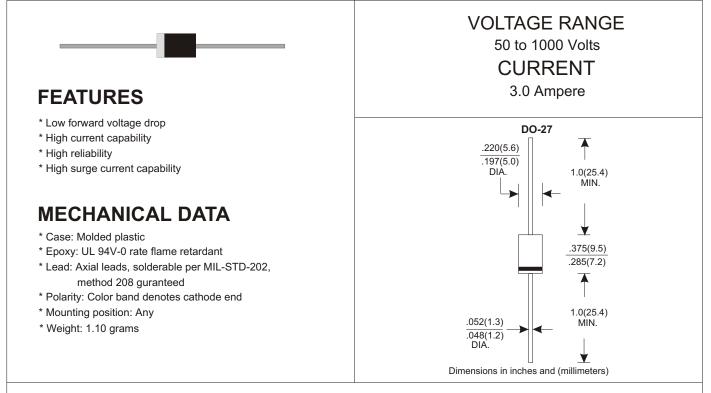
## **BY396** THRU **BY399**

## 3.0 AMP FAST RECOVERY RECTIFIERS





## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature unless otherwies specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

TYPE NUMBER	By396	BY397	BY398	By399	UNITS
Maximum Recurrent Peak Reverse Voltage	100	200	400	800	V
Maximum RMS Voltage	70	140	280	560	V
Maximum DC Blocking Voltage	100	200	400	800	V
Maximum Average Forward Rectified Current			•		
.375"(9.5mm) Lead Length at Ta=75 <sup>°</sup> C	3.0				A
Peak Forward Surge Current, 8.3 ms single half sine-wave					
superimposed on rated load (JEDEC method)	200				A
Maximum Instantaneous Forward Voltage at 3.0A	1.25				V
Maximum DC Reverse Current Ta=25°C	5.0				A
at Rated DC Blocking Voltage Ta=100°C	150				A
Maximum Reverse Recovery Time (Note 1)		150 250			nS
Typical Junction Capacitance (Note 2)	60				pF
Operating and Storage Temperature Range Tj, TSTG	-65—+150				°C

NOTES:

1. Reverse Recovery Time test condition: IF=0.5A, IR=1.0A, IRR=0.25A

2. Measured at 1MHz and applied reverse voltage of 4.0V D.C.