DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

THRU

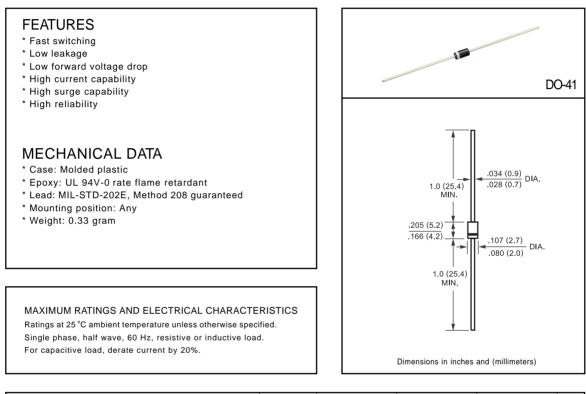
BA157

BA159

TECHNICAL SPECIFICATIONS OF FAST RECOVERY RECTIFIER

VOLTAGE RANGE - 400 to 1000 Volts

CURRENT - 1.0 Ampere



	SYMBOL	BA157	BA158	BA159	UNITS
Maximum Recurrent Peak Reverse Voltage	Vrrm	400	600	1000	Volts
Maximum RMS Voltage	Vrms	280	420	700	Volts
Maximum DC Blocking Voltage	VDC	400	600	1000	Volts
Maximum Average Forward Rectified Current at TA = 75°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	la.	5.0			uAmps
Maximum Full Load Reverse Current Full Cycle Average, .375*(9.5mm) lead length at T L = 55°C	IR IR	100			uAmps
Maximum Reverse Recovery Time (Note 1)	trr	150	250	500	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

