

## DC COMPONENTS CO., LTD.

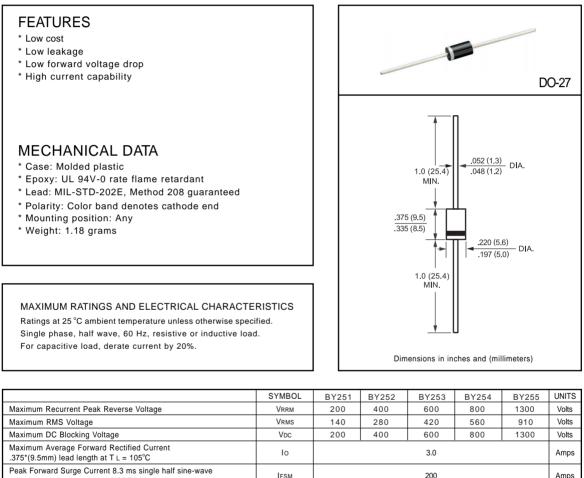
## RECTIFIER SPECIALISTS

BY251 THRU BY255

> Volts uAmps uAmps pF °C/W °C

## TECHNICAL SPECIFICATIONS OF SILICON RECTIFIER

VOLTAGE RANGE - 200 to 1300 Volts CURRENT - 3.0 Amperes



superimposed on rated load (JEDEC Method)		IFSM	200
Maximum Instantaneous Forward Voltage at 3.0A DC		Vf	1.1
Maximum DC Reverse Current	@TA = 25°C		5.0
at Rated DC Blocking Voltage	@Ta = 100°C		500
Maximum Full Load Reverse Current Average, Full Cycle .375*(9.5mm) lead length at T L = 75°C		- IR	30
Typical Junction Capacitance (Note)		CJ	40
Typical Thermal Resistance		RqJA	30
Operating and Storage Temperature Range		TJ, TSTG	-65 to + 175

NOTES : Measured at 1 MHz and applied reverse voltage of 4.0 volts

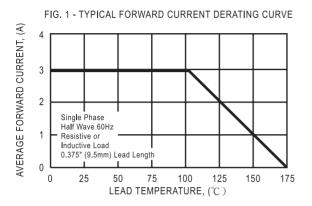
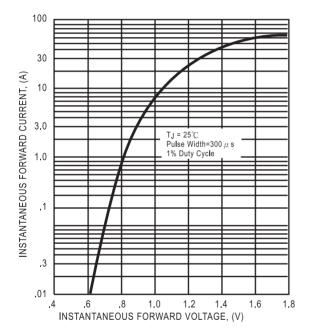


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD VOLTAGE, (V)





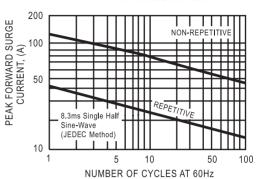
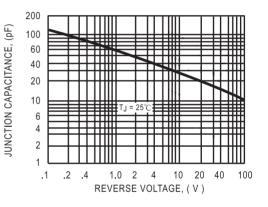
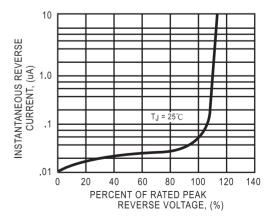


FIG. 4 - TYPICAL JUNCTION CAPACITANCE



## FIG. 5 - TYPICAL REVERSE CHARACTERISTICS



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