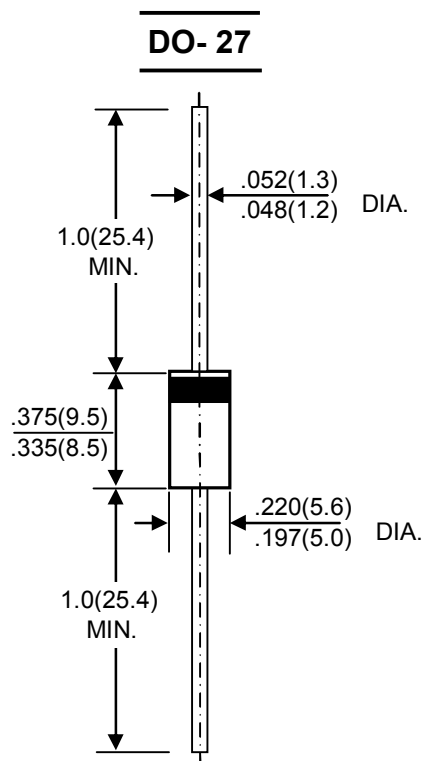




REVERSE VOLTAGE - **50** to **1000** Volts
FORWARD CURRENT - **5.0** Amperes

- Fast switching for high efficiency
- Low cost
- Diffused junction
- Low reverse leakage current
- Low forward voltage drop
- High current capability
- The plastic material carries UL recognition 94V-0

- Case: JEDEC DO-27 molded plastic
- Polarity: Color band denotes cathode
- Weight: 0.04 ounces , 1.1 grams
- Mounting position: Any



Dimensions in inches and (millimeters)

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

CHARACTERISTICS	SYMBOL	BY500- 50	BY500- 100	BY500- 200	BY500- 400	BY500- 600	BY500- 800	BY500- 1000	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @TA =60℃	I(AV)	5.0							A
Surge Forward Current Half Cycle 50Hz Starting From Tj=25℃	IFSM	200							A
Maximum Forward Voltage at 5.0A DC	VF	1.3							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	IR	5.0							μA
Reverse Recovery Time From IF=1A to VR=30V	Trr	150				250		500	ns
Typical Thermal Resistance (Note1)	RθJA	60							K/W
Operating Temperature Range	TJ	150							℃
Storage Temperature Range	TSTG	-65 to +175							℃

NOTES:1.Thermal resistance junction of lead.