

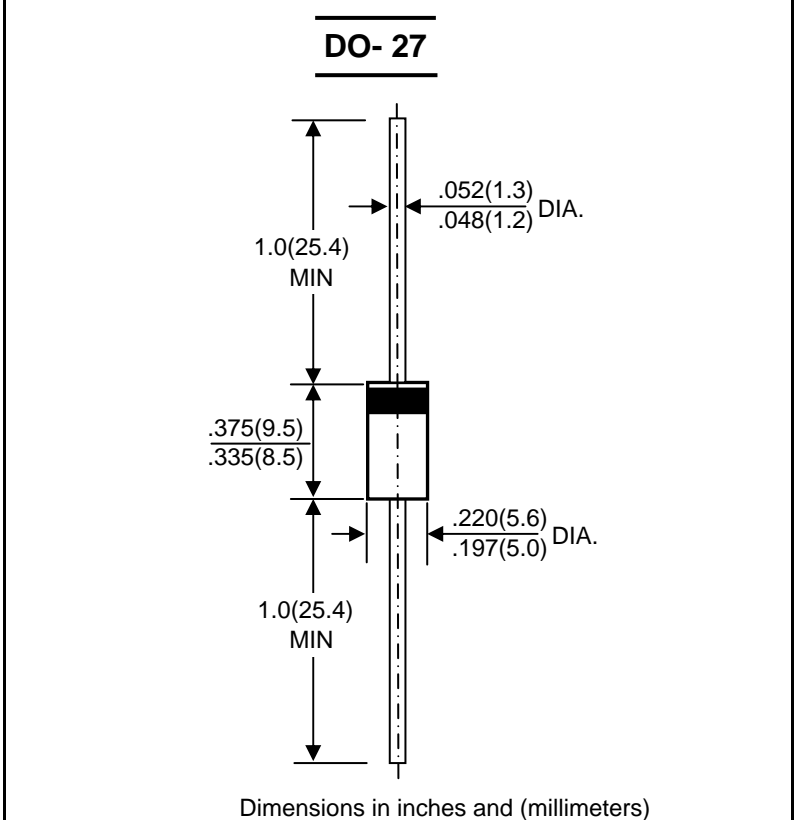
PLASTIC SILICON RECTIFIERS	REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 6.0 Amperes
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FEATURES

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

MECHANICAL DATA

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



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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									UNIT
		BY550-50	BY550-100	BY550-200	BY550-400	BY550-600	BY550-800	BY550-1000		
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000		V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700		V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000		V
Maximum Average Forward Rectified Current @ T _A =60°C	I _(AV)	6.0								A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)	I _{FSM}	300								A
Maximum Forward Voltage at 6.0A DC	V _F	1.0								V
Maximum DC Reverse Current at Rated DC Blocking Voltage @ T _J =25°C @ T _J =100°C	I _R	10 100								uA
Operating Temperature Range	T _J	-55 to +125								°C
Storage Temperature Range	T _{STG}	-55 to +150								°C

FIG. 1 – FORWARD CURRENT DERATING CURVE

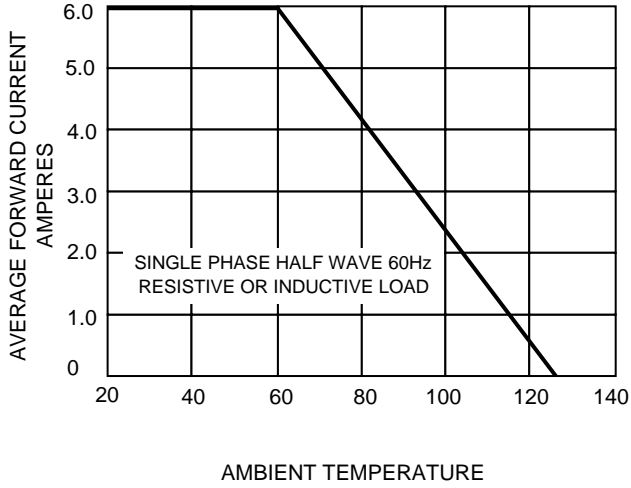


FIG. 2 – MAXIMUM NON-REPETITIVE SURGE CURRENT

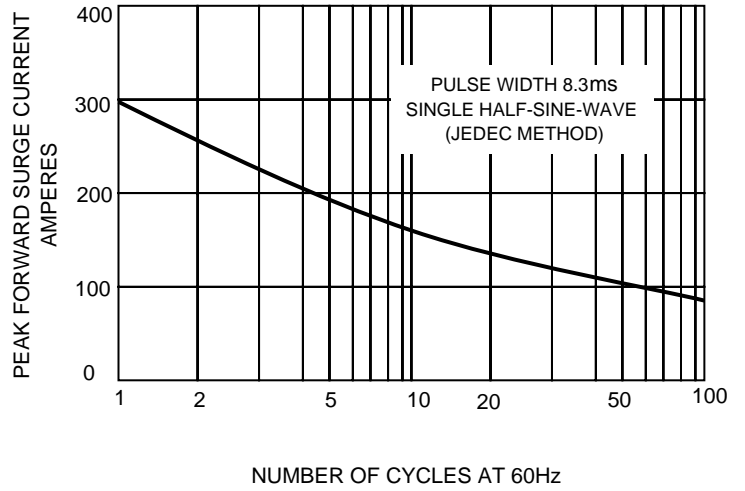


FIG.3 – TYPICAL JUNCTION CAPACITANCE

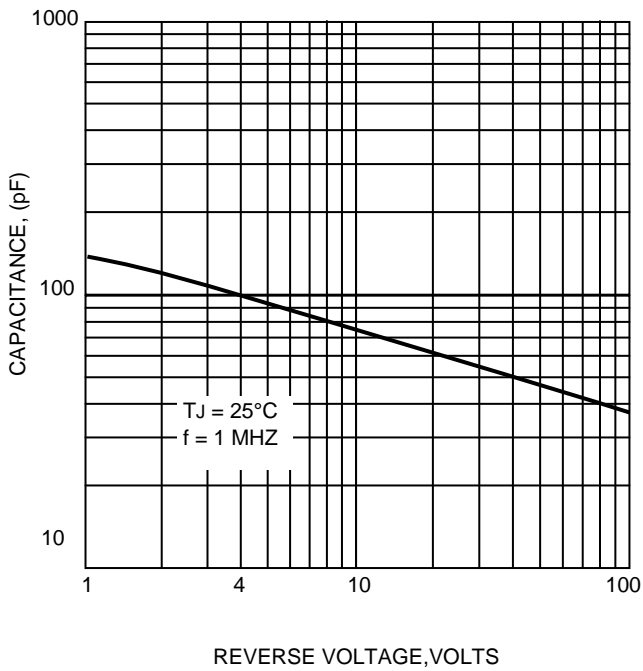
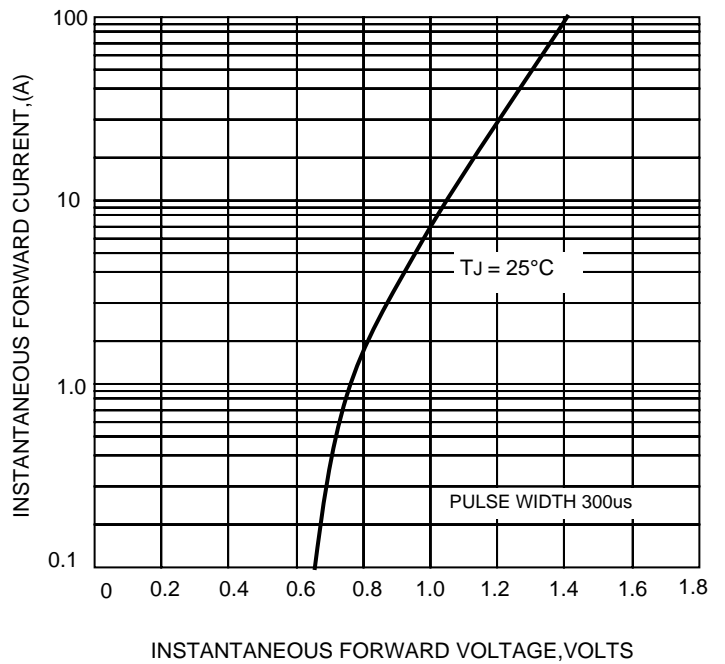


FIG.4-TYPICAL FORWARD CHARACTERISTICS



The curve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!

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