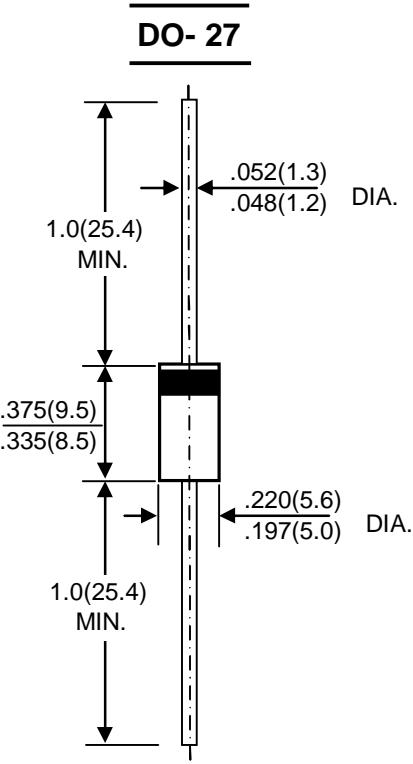


SCHOTTKY BARRIER RECTIFIERS	REVERSE VOLTAGE - 20 to 40 Volts FORWARD CURRENT - 3.0 Amperes																																																																														
FEATURES <ul style="list-style-type: none"> ● Metal-Semiconductor junction with gard ring ● Epitaxial construction ● Low forward voltage drop ● High current capability ● The plastic material carries UL recognition 94V-0 ● For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications 	 <p>DO- 27</p> <p>Dimensions in inches and (millimeters)</p>																																																																														
MECHANICAL DATA <ul style="list-style-type: none"> ● 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 <p>Rating at 25°C ambient temperature unless otherwise specified.</p> <p>Single phase, half wave ,60Hz, resistive or inductive load.</p> <p>For capacitive load, derate current by 20%</p>																																																																															
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REV. 1, 30-Dec-2011																																																																															

RATING AND CHARACTERISTIC CURVES
1N5820 thru 1N5822

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FIG. 1 – FORWARD CURRENT DERATING CURVE

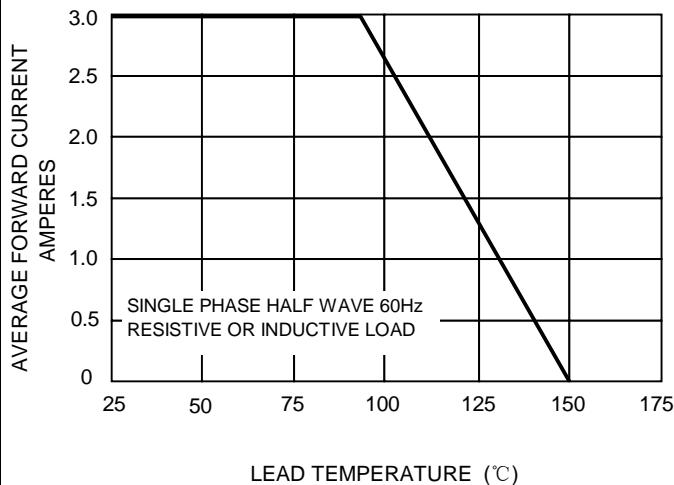


FIG. 2 – MAXIMUM NON-REPETITIVE SURGE CURRENT

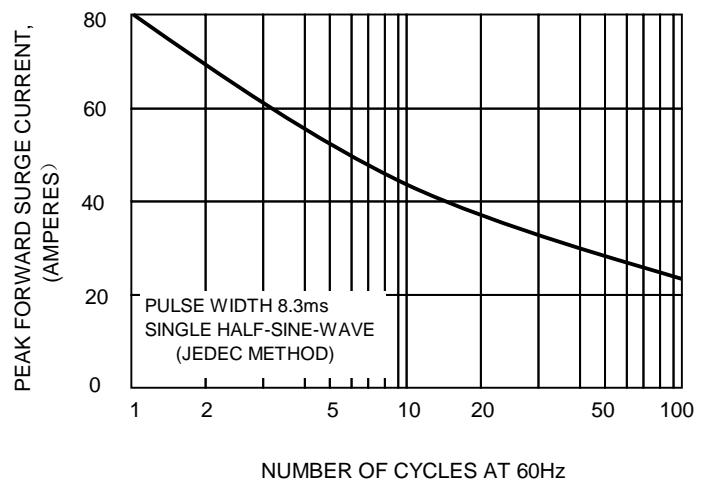


FIG.3 – TYPICAL JUNCTION CAPACITANCE

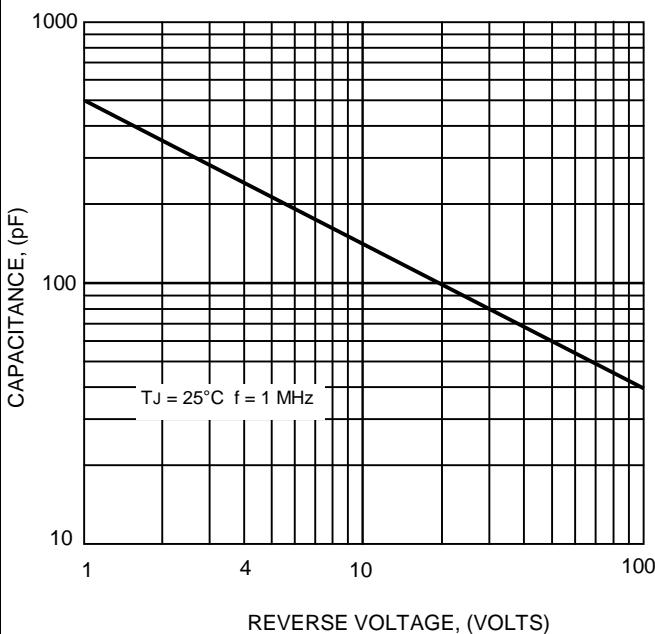


FIG.3-TYPICAL FORWARD CHARACTERISTICS

