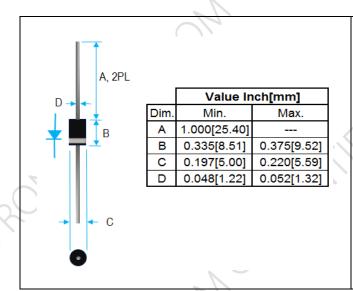


## 3A SCHOTTKY BARRIER RECTIFIERS



## PRODUCT FEATURES

- 1. FLAMMABILITY CLASSIFICATION 94V-0
- 2. EXTREMELY LOW VF
- LOW STORED CHARGE
- 4. MAJORITY CARRIER CONDUCTION
- LOW POWER LOSS/HIGH EFFICIENCY
- 6. CASE: TRANSFER MOLDED, DO-201AD
- 7. DIMENSIONS IN INCHES AND (MILLIMETERS)
- B. LEADS: SOLDERABILITY PER MIL-STD-202 METHOD 208
- 9. WEIGHT: 1.1 GRAMS
- 10 RoHS COMPLIANT AND HALOGEN FREE

## **ELECTRICAL CHARACTERISTICS**

MAXIMUM RATINGS ( $T_A = 25$ °C UNLESS OTHERWISE NOTED) AND ELECTRICAL CHARACTERISTICS

THE STATE OF THE S						
RATING	SYMBOL		UNITS			
MAXIMUM AVERAGE FORWARD RECTIFIED CURRENT, SEE FIG.1	lo	3.0	Α			
PEAK FORWARD SURGE CURRENT, 8.3ms SINGLE HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD	I <sub>FSM</sub>	80	А			
STORAGE TEMPERATURE RANGE	T <sub>STG</sub>	- 55 TO +150	°C			
OPERATING TEMPERATURE RANGE	Тор	- 55 TO +125	°C			
MAXIMUM REVERSE CURRENT AT 25°C	I <sub>R</sub>	0.5	mA			

	MAX RECURRENT PK REVERSE	MAX	MAXIMUM FORWARD	TYPICAL JUNCTION
PART NUMBER	VOLTAGE/DC BLOCKING V <sub>RRM</sub> /V <sub>R</sub>	$V_{RMS}$	VOLTAGE @ lo DC	CAPACITANCE C <sub>J</sub>
	(V)	(V)	VF (V)	(pF)
SR340	40	28	0.55	90
SR360	60	42	0.70	110
SR3100	100	70	0.85	110

NOTE: 1. MEASURED AT 1MHz WITH APPLIED REVERSE VOLTAGE OF 4V.

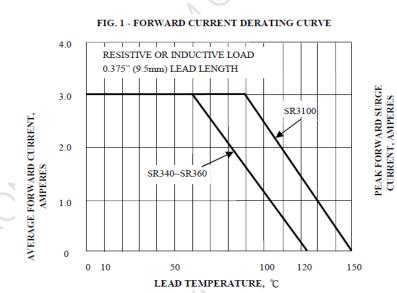
- 2. BOTH LEADS ATTACHED TO HEAT SINK 20x20x1T (mm) COPPER PLATE AT LEAD LENGTH 5mm.
- 3. CURRENT RATING IS BASED ON SINGLE PHASE, 1/2 WAVE, 60HZ, RESISTIVE, OR INDUCTIVE LOAD. FOR CAPACITIVE LOAD, DERATE CURRENT BY 20%.
- 4. SR3100 OPERATING TEMPERATURE CAN GO UP TO +150°C.

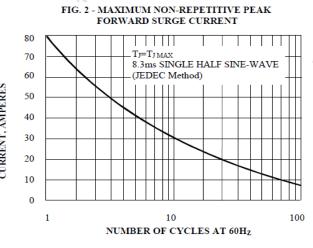
Page **1** of **2** 

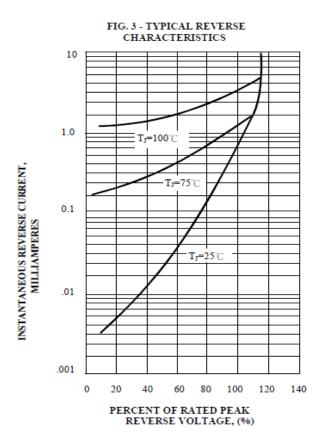
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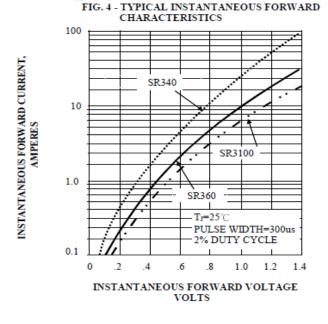


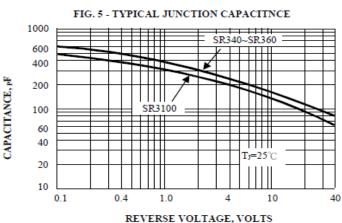
## RATINGS AND CHARACTERISTIC CURVES











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