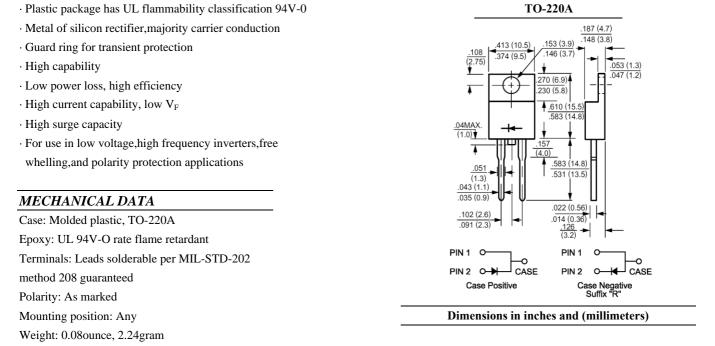
SR820 THRU SR860

SCHOTTKY BARRIER RECTIFIER

REVERSE VOLTAGE: FORWARD CURRENT:

20 to 60 VOLTS 8.0 AMPERE

FEATURES



Maximum Ratings and Electrical Characteristics

Ratings at 25 $\,$ ambient temperature unless otherwise specified. Single phase, half wave, 60H_Z, resistive or inductive load. For capacitive load, derate current by 20%.

	Symbols	SR820	SR830	SR840	SR850	SR860	Units
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	20	30	40	50	60	Volts
Maximum RMS Voltage	V _{RMS}	14	21	28	35	42	Volts
Maximum DC Blocking Voltage	V _{DC}	20	30	40	50	60	Volts
Maximum Average Forward Rectified Current	I _(AV) 8.0						
See Fig. 1	I _(AV)		0.0				Amp
Peak Forward Surge Current,							
8.3ms single half-sine-wave	I _{FSM} 150					Amp	
superimposed on rated load (JEDEC method)							
Maximum Forward Voltage	V	0.55			0.7		Volts
at 8.0A DC and 25	$V_{\rm F}$						
Maximum Reverse Current at T _C =25	т	0.5					mAmp
at Rated DC Blocking Voltage T _C =125	I _R	50					
Typical Junction Capacitance (Note 1)	CJ		700		4	60	pF
Typical Thermal Resistance (Note 2)	R _{0JC}	3					/W
Operating Temperature Range	T _J		-55 to +125		-55 te	o +150	
Storage Temperature Range	Tstg	-55 to +150					

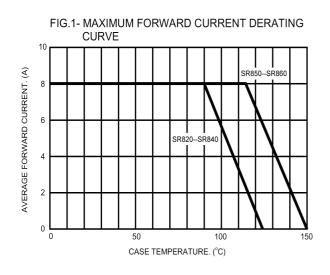
NOTES:

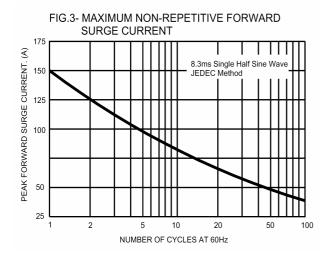
1- Measured at 1 MH_Z and applied reverse voltage of 4.0 VDC.

2- Thermal Resistance from Junction to Case Per Leg

SR820 THRU SR860 SCHOTTKY BARRIER RECTIFIER

RATINGS AND CHARACTERISTIC CURVES







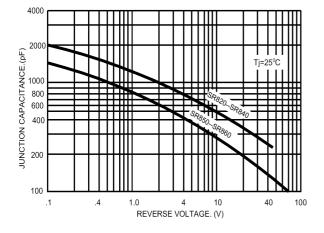


FIG.2- TYPICAL REVERSE CHARACTERISTICS

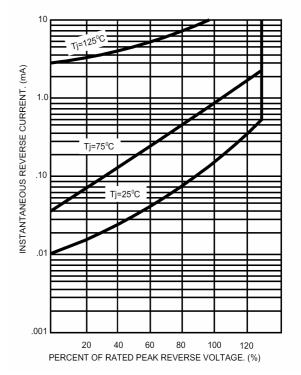


FIG.5- TYPICAL FORWARD CHARACTERISTICS

