

Switchmode Full Plastic Dual Schottky Barrier Power Rectifiers

...Using the Schottky Barrier principle with a Molybdenum barrier metal. These state-of-the-art geometry features epitaxial construction with oxide passivation and metal overlay contact. Ideally suited for low voltage, high frequency rectification, or as free wheeling and polarity protection diodes.

- * Low Forward Voltage.
- * Low Switching noise.
- * High Current Capacity
- * Guarantee Reverse Avalanche.
- * Guard-Ring for Stress Protection.
- * Low Power Loss & High efficiency.
- * 125 Operating Junction Temperature
- * Low Stored Charge Majority Carrier Conduction.
- * Plastic Material used Carries Underwriters Laboratory

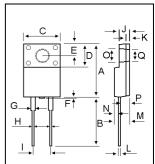
SCHOTTKY BARRIER RECTIFIERS

5 AMPERES 30-60 VOLTS

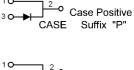


MAXIMUM RATINGS

Characteristic	Symbol	SRAF05						11!4
Characteristic		30	35	40	45	50	60	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	30	35	40	45	50	60	V
RMS Reverse Voltage	V _{R(RMS)}	21	25	28	32	35	42	V
Average Rectifier Forward Current	I _{F(AV)}	5					Α	
Peak Repetitive Forward Current (Rate V _R , Square Wave, 20kHz)	I _{FM}	10					Α	
Non-Repetitive Peak Surge Current (Surge applied at rate load conditions halfware, single phase, 60Hz)	I _{FSM}	100					А	
Operating and Storage Junction Temperature Range	T_J , T_STG	-65 to +125						



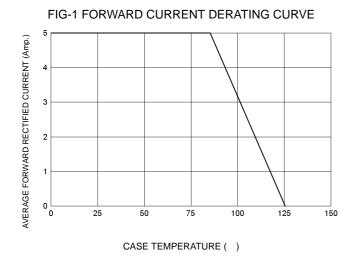
DIM	MILLIMETERS					
DIM	MIN	MAX				
Α	15.05	15.15				
В	13.35	13.45				
С	10.00	10.10				
D	6.55	6.65				
Е	2.65	2.75				
F		1.00				
G	1.15	1.25				
Н	0.55	0.65				
- 1	4.80	5.20				
J	3.00	3.20				
K	1.10	1.20				
L	0.55	0.65				
M	4.40	4.60				
N	1.15	1.25				
Р	2.65	2.75				
0	3.35	3.45				
Q	3.15	3.25				

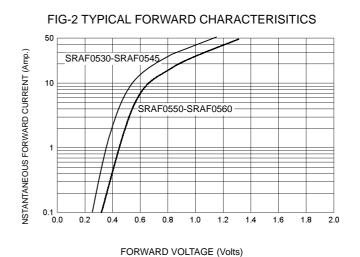


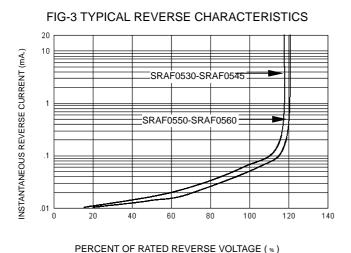


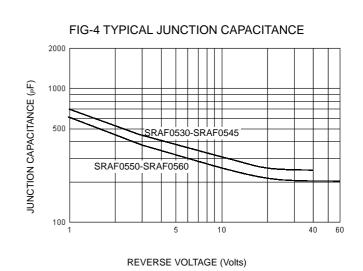
ELECTRIAL CHARACTERISTICS

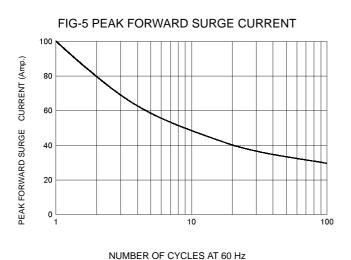
Characteristic	Symbol	SRAF05					Unit	
		30	35	40	45	50	60	Offic
Maximum Instantaneous Forward Voltage (I_F =5 Amp T_C = 25) (I_F =5 Amp T_C = 125)	V _F	0.55 0.48			0.65 0.57		V	
Maximum Instantaneous Reverse Current (Rated DC Voltage, $T_C = 25$) (Rated DC Voltage, $T_C = 125$)	I _R	0.5 20						mA













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