

Surface Mount Schottky Barrier rectifiers

Using the Schottky Barrier principle with a Molybdenum barrier meta. 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, in surface mount applications where compact size and weight are critical to the system.

- * Low Forward Voltage.
- * Low Switching noise.
- * High Current Capacity
- * Guarantee Reverse Avalanche.
- * Guard-Ring for Stress Protection.
- *Low Power Loss & High efficiency.
- * 150 Operating Junction Temperature
- * Low Stored Charge Majority Carrier Conduction.
- * Plastic Material used Carries Underwriters Laboratory Flammability Classification 94V-O
- * In compliance with EU RoHs 2002/95/EC directives



MAXIMUM RATINGS

MIAAMIOM NATINGO						
Characteristic	Symbol	SR27	SR28	SR29	SR210	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	70	80	90	100	V
RMS Reverse Voltage	VR _(RMS)	49	56	63	70	V
Average Rectifier Forward Current	I _O	2.0			Α	
Non-Repetitive Peak Surge Current (Surge applied at rate load conditions half-wave, single phase,60Hz)	I _{FSM}	50			А	
Operating and Storage Junction Temperature Range	T _J , T _{STG}	-65 to +150				

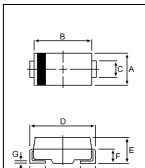
ELECTRIAL CHARACTERISTICS

ELECTRIAL CHARACTERISTICS							
Characteristic	Symbol	SR27	SR28	SR29	SR210	Unit	
Maximum Instantaneous Forward Voltage (I _F =2.0 Amp)	V _F	0.75		0.85		V	
Maximum Instantaneous Reverse Current (Rated DC Voltage, $T_C = 25$) (Rated DC Voltage, $T_C = 125$)	I _R	0.5 20			mA		
Maximum Thermal Resistance Junction to Case	$R_{\theta JC}$	50			°C/W		
Typical Junction Capacitance (Reverse Voltage of 4 volts & f=1 MHz)	C _P	80		75		pF	

SCHOTTKY BARRIER RECTIFIERS

2.0 AMPERES 70-100 VOLTS



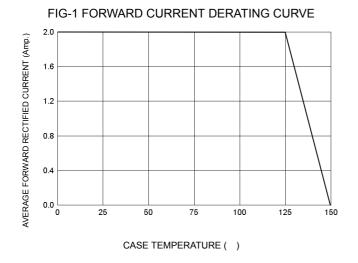


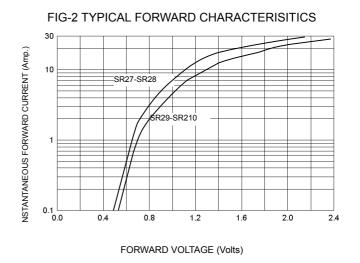
DIM	MILLIM	ETERS		
וווען	MIN	MAX		
Α	3.30	3.90		
В	4.20	4.60		
С	1.80	2.20		
D	5.10	5.60		
Ε	1.90	2.50		
F		1.30		
G		0.22		
Н	0.95	1.35		

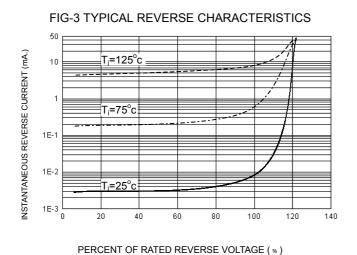
CASE---

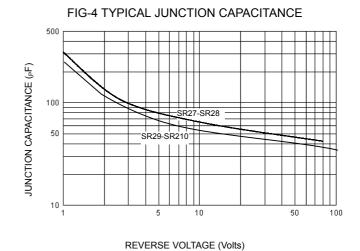
Transfer molded plastic

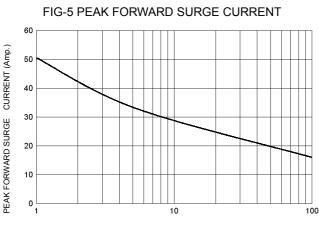
POLARITY---Cathode indicated polarity band











NUMBER OF CYCLES AT 60 Hz



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