

Surface Mount Schottky Barrier rectifiers

Features

- *Ultra Low Forward Voltage.
- *Low Switching noise.
- *High Current Capacity
- *Low Power Loss & High efficiency.
- *150°C 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

Characteristic	Symbol	SR56L	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	$egin{array}{c} V_{RRM} \ V_{RWM} \ V_{R} \end{array}$	60	V
RMS Reverse Voltage	$V_{R(RMS)}$	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}	200	Α
Operating and Storage Junction Temperature Range	T _J , T _{stg}	-65 to +150	$^{\circ}\!\mathbb{C}$

THERMAL RESISTANCES

Maximum T	hermal Resistance junction to body	R _{θ j-c}	55	°C/w
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ELECTRICAL CHARACTERISTICS

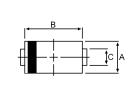
ELECTRICAL CHARACTERISTICS					
Characteristic	Symbol		SR56L		Unit
Maximum Instantaneous Forward Voltage		Min	Тур.	Max.	
$(I_F = 0.1 \text{ Amp T}_C = 25^{\circ}C)$	V _F		0.25	0.26	V
($I_F = 2.5 \text{ Amp T}_C = 25^{\circ}C$)	V F		0.42	0.46	V
$(I_F = 5.0 \text{ Amp T}_C = 25^{\circ}C)$			0.49	0.52	
Maximum Instantaneous Reverse Current					
(Rated DC Voltage, T _C = 25°C)	I_R		0.3		mA
(Rated DC Voltage, T _C = 100℃)			30		

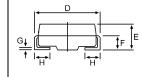
SCHOTTKY BARRIER RECTIFIERS

5 AMPERES 60VOLTS



DO-214AA(SMB)



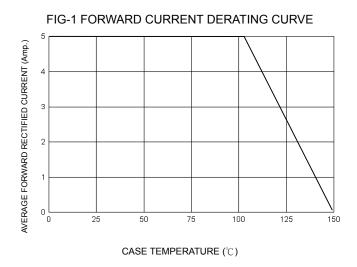


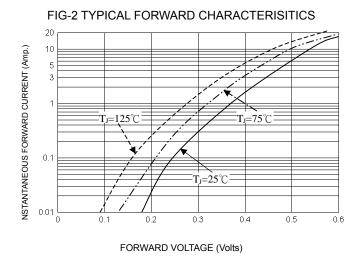
DIM	MILLIM	MILLIMETERS		
DIIVI	MIN	MAX		
Α	3.30	3.90		
В	4.20	4.60		
С	1.80	2.20		
D	5.10	5.60		
Е	1.90	2.50		
F		1.30		
G		0.22		
Н	0.95	1.35		

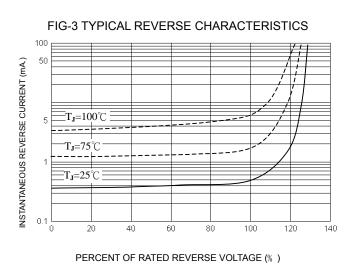
CASE---Transfer molded plastic

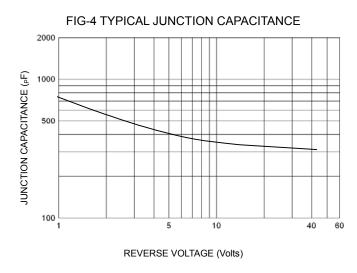
POLARITY---Cathode indicated polarity band

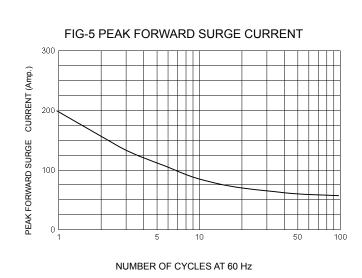
SR56L













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