

Rev.A Aug.-2023



100V                      5.0A                      SMAF

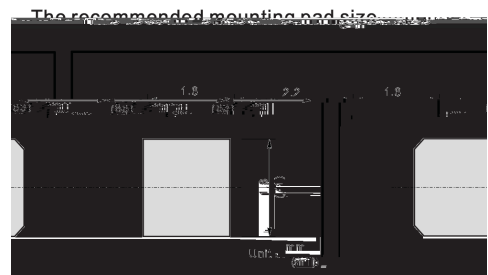
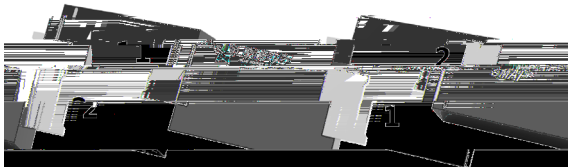
Surface Mount Schottky Barrier Rectifier, Reverse Voltage 100V, Forward Current:5.0A ,SMAF thin package.



Low power loss, high efficiency, High forward surge current capability, For use in low voltage, high frequency inverters, and polarity protection applications,For surface mounted applications,HF Product.



General purpose.



PIN	DESCRIPTION
1	Cathode
2	Anode



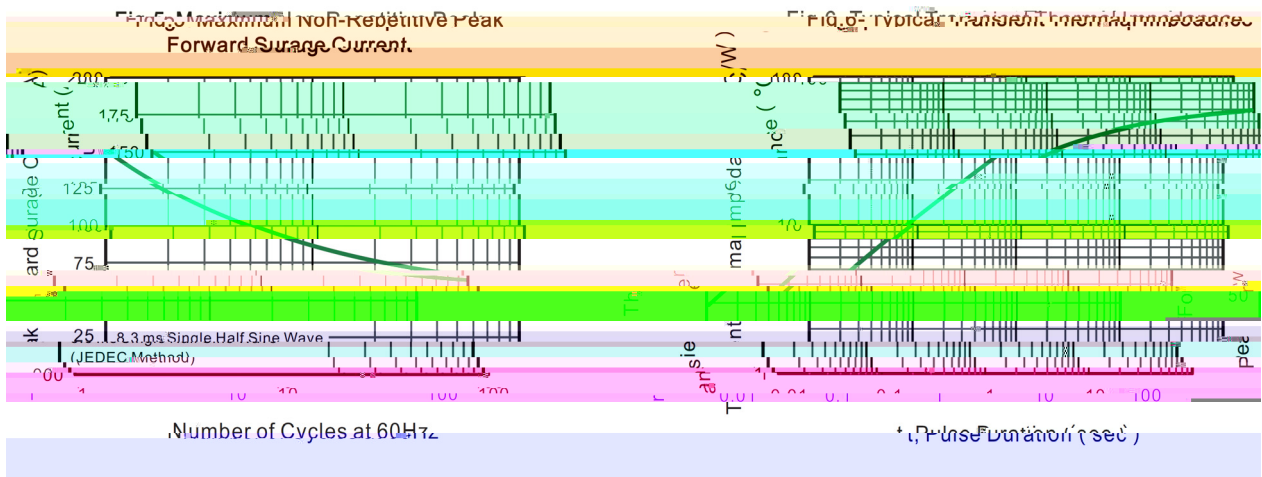
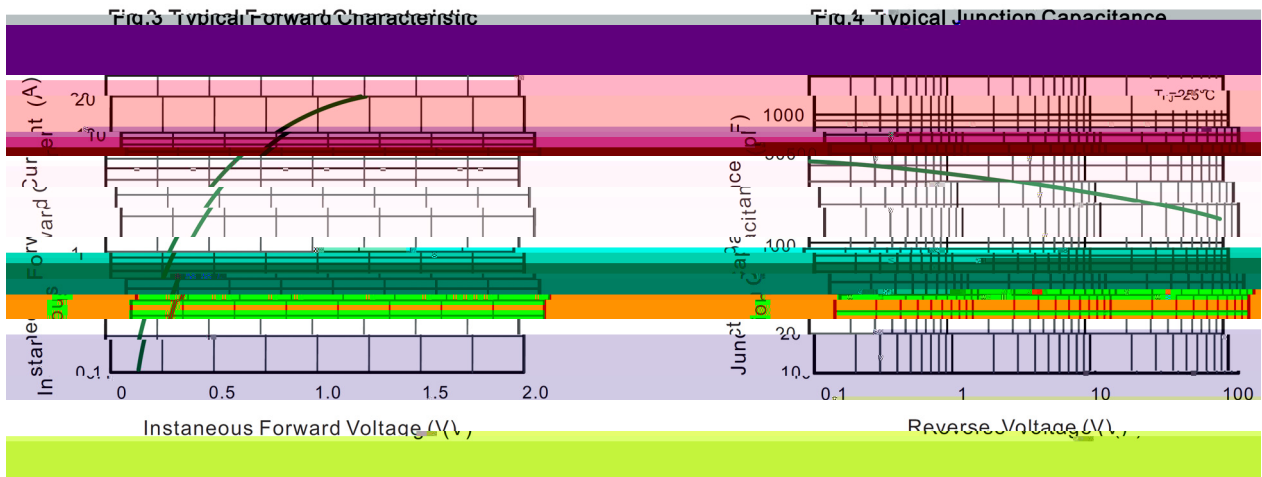
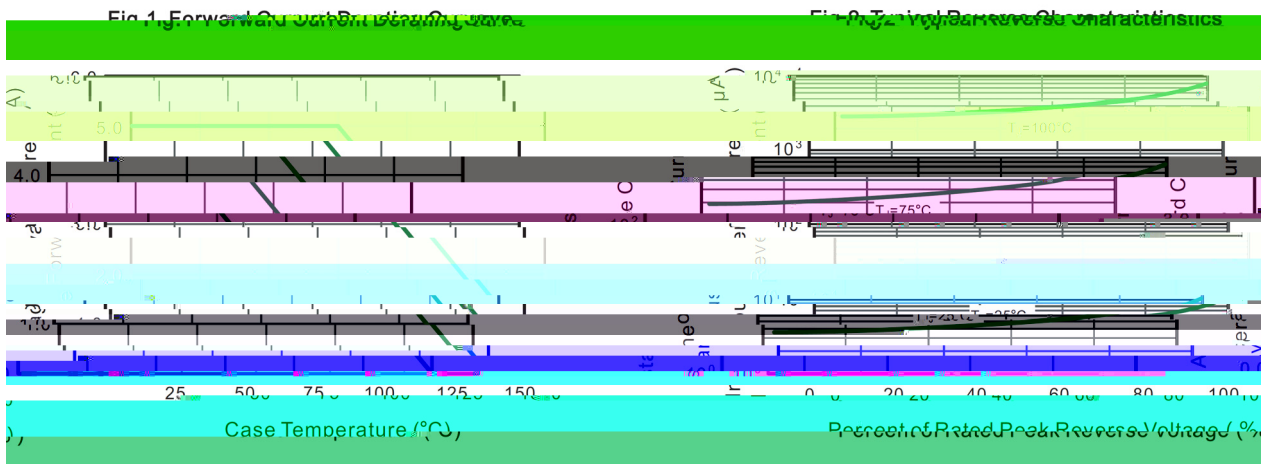
See Marking Instructions.

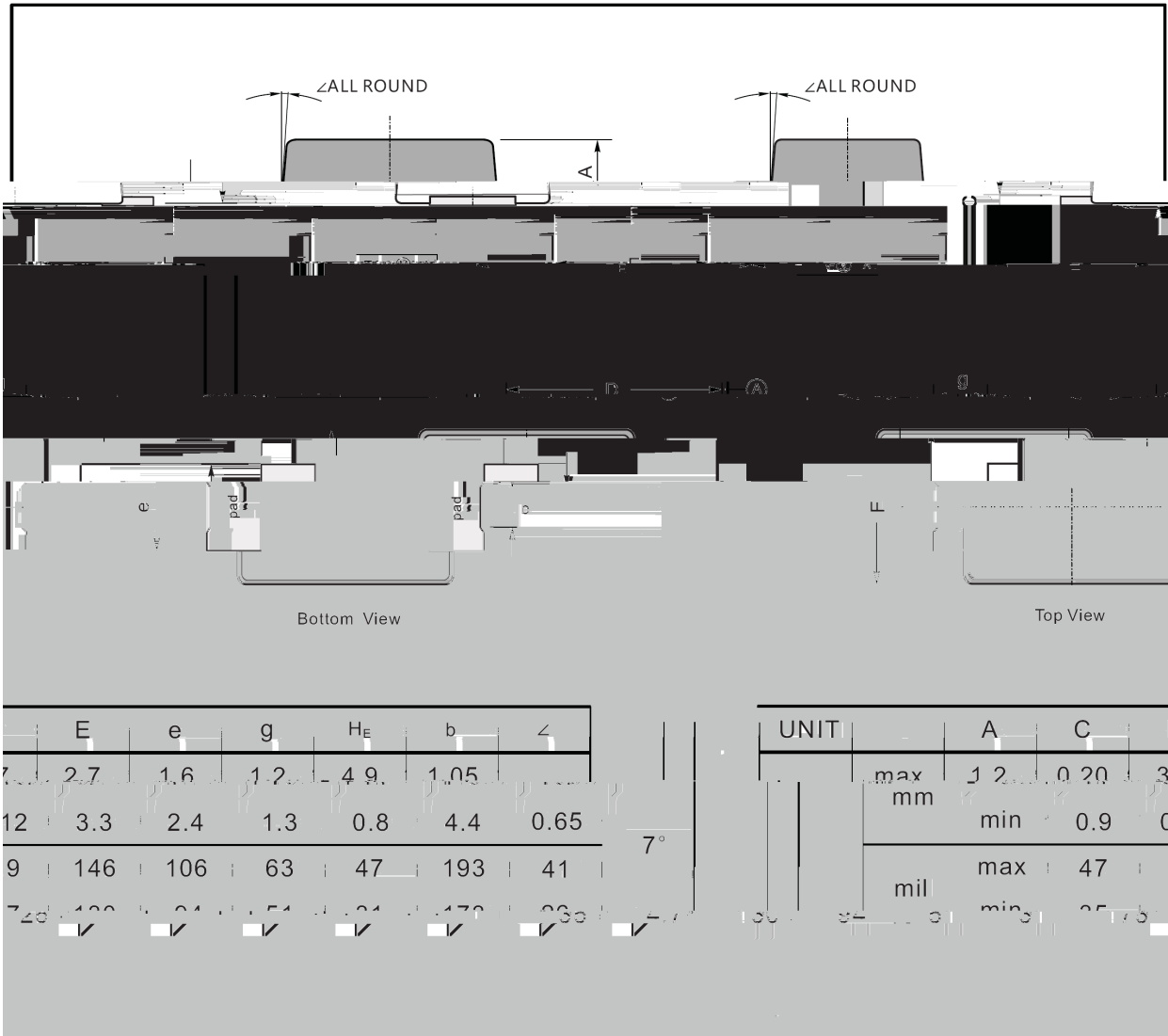
Parameter	Symbol	Rating	Unit
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	100	V
Maximum RMS voltage	$V_{RMS}$	70	V
Maximum DC Blocking Voltage	$V_{DC}$	100	V
Maximum Average Forward Rectified Current	$I_{F(AV)}$	5.0	A
Peak Forward Surge Current,8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	$I_{FSM}$	150	A
Typical Junction Capacitance <sup>1)</sup>	$C_i$	400	pF
Typical Thermal Resistance <sup>2)</sup>	$R_{JA}$	60	/W
Operating Junction Temperature Range	$T_j$	-55~150	
Storage Temperature Range	$T_{stg}$	-55~150	

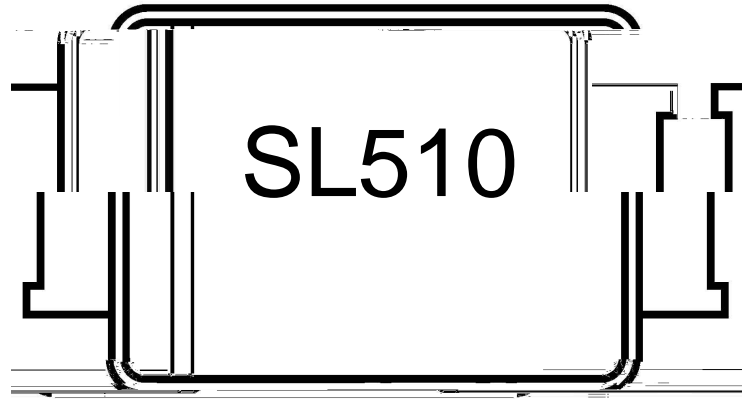
Note:

- 1 Measured at 1 MHz and applied reverse voltage of 4 V D.C.
- 2 P.C.B. mounted with 2.0" X 2.0" (5 X 5 cm) copper pad areas.

Parameter	Symbol	Test Conditions	Rating	Unit
Max Instantaneous Forward Voltage	$V_F$	$I_F=5.0A$	0.6	V
Maximum DC Reverse Current at Rated DC Reverse Voltage	$I_R$	$T_a=25$	1.0	mA
		$T_a=100$	50	







SL510

Note:

SL510 Product Type Code

Lot No. Code, code change with Lot No

