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	<b>S1XK018F</b>		20-A3-07
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1

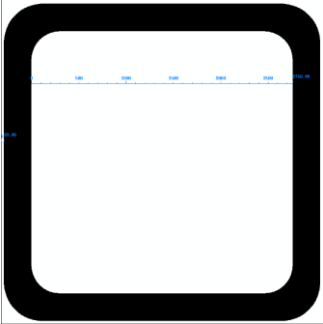
1.1

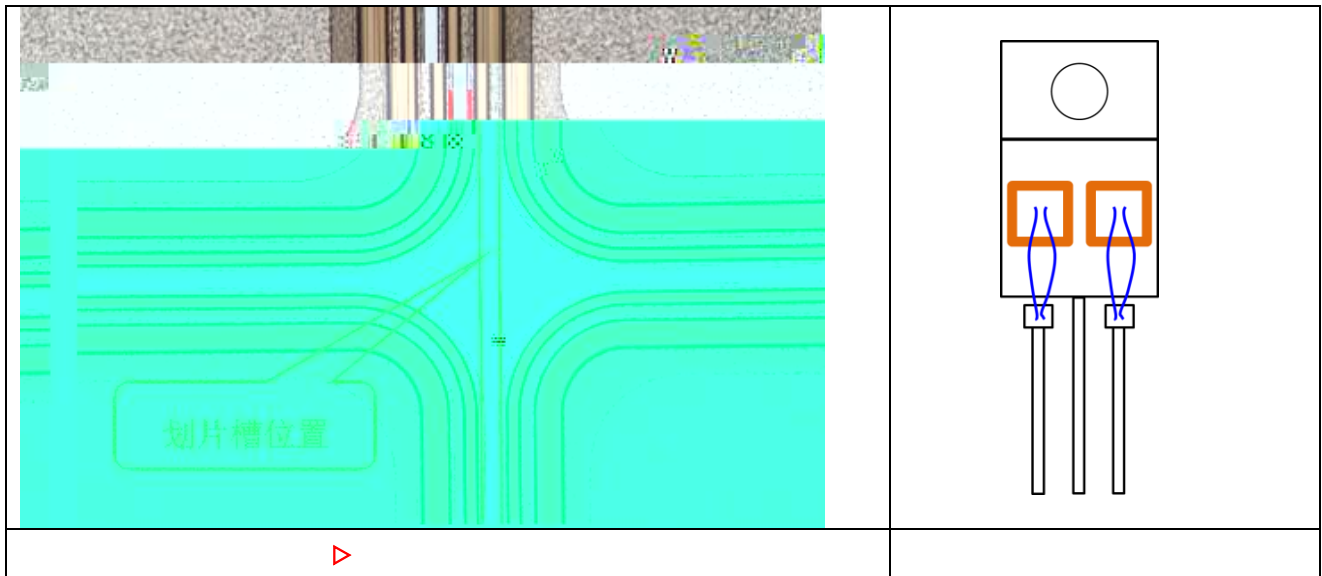
S1XK018F

PFC UPS

1.2

2

		3.4 mm× 3.4 mm	
		133.86 mil× 133.86 mil	
		1328	
	$\mu\text{m}$	260± 20	
	$\mu\text{m}$	46	
	$(\mu\text{m}^2)$	2760× 2760	
		PI	
		$\mu\text{m}$	7.5± 1.0
		mm	150
		2	500 $\mu\text{m}$



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3 ( )

3.1

$T_{amb} = 25$

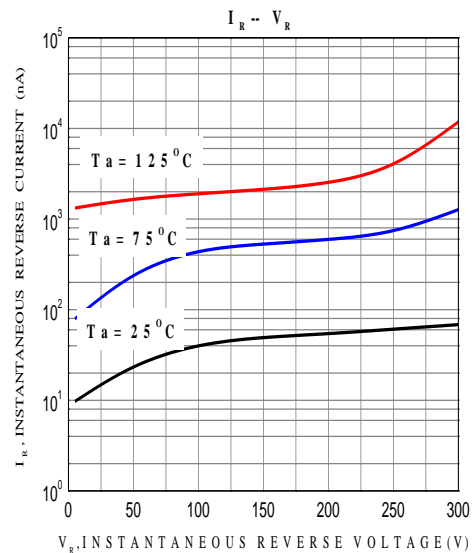
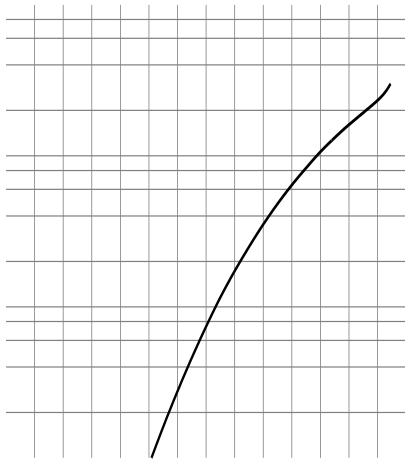
	$V_{RM}$	300	V	T0-3P MUR4030PT MUR2030
	$I_{F(AV)}$	20	A	
	$T_J$	150		
	$T_{stg}$	-40 150		

3.2

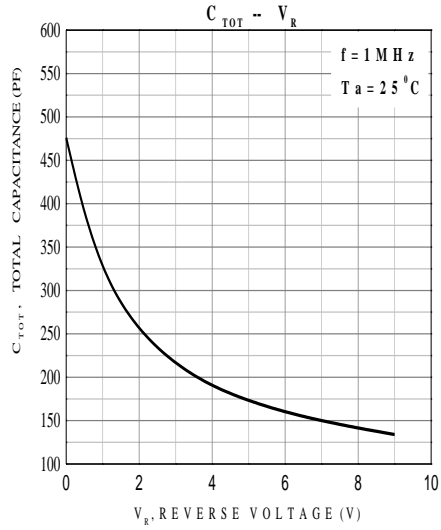
$T_{amb} = 25$

	$V_{BR}$	$I_R = 100 \mu A$	300	350		V
	$I_R$	$V_R = 300V$		0.02	1	$\mu A$
	$V_F$	$I_F = 20A$		1.05	1.3	V
	$t_{rr}$	$I_F = 0.5A, I_R = 1.0A, i_{rr} = 0.25A$		30	50	ns
	$C_{tot}$	$V_R = 0V, f = 1MHz$		475		pF

3.3



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25± 5

45%