



G5S12010BM

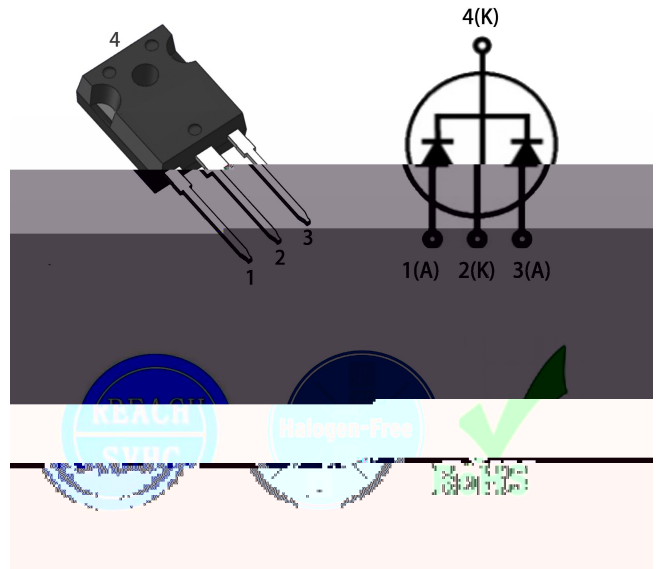
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SMPS

PFC



G S    BM	TO    AB	G S    BM

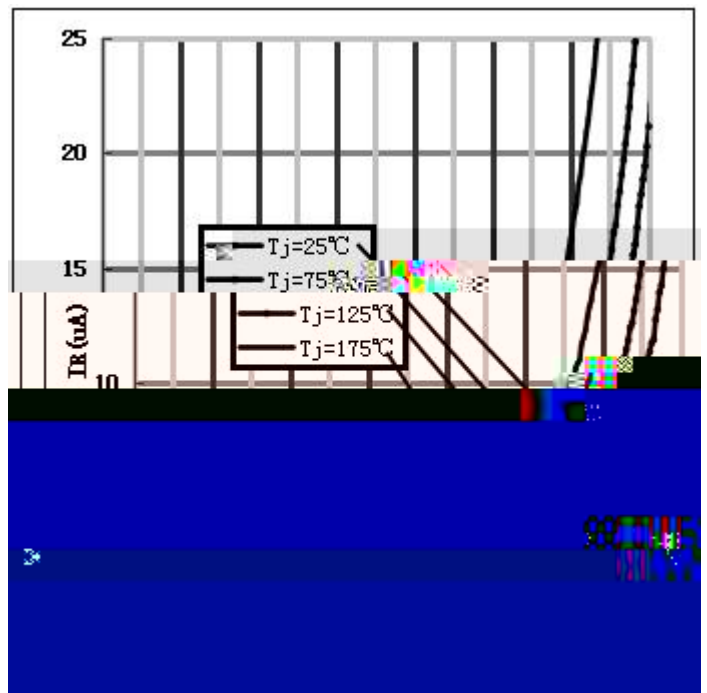
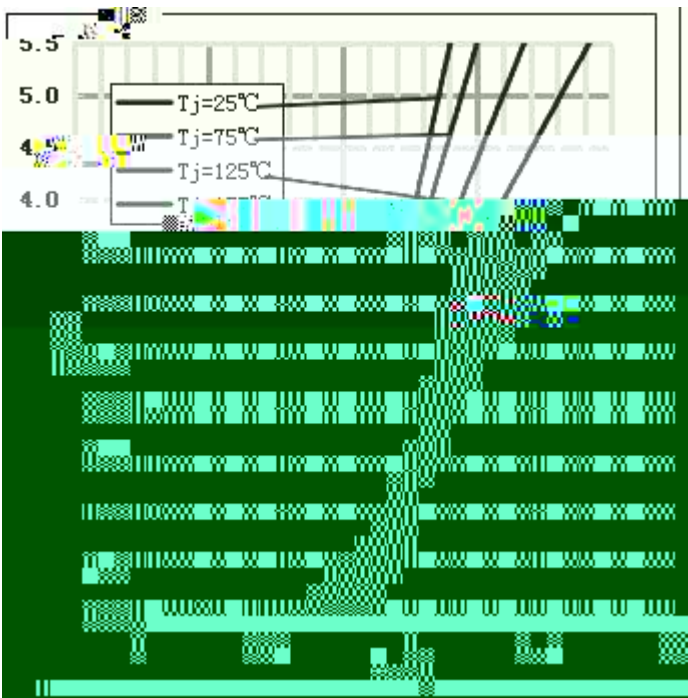
	$V_{RRM}$			V
	$V_{RSM}$			
	$V_{DC}$			
	$I_F$	$T_c$ $T_c$ $T_c$		A
	$I_{FRM}$	$T_c$ Wa e D	Ha f S e	A
	$I_{FSM}$	$T_c$ Wa e	Ha f S e	A
	$P_{TOT}$	$T_c$		W
		$T_c$		W
	T			
	$T_g$			
		M Sc e Sc e		N bf

	$R_{hJC}$			W

	$V_F$	$I_F=5A, T_j=25$	1.36	1.7	V
		$I_F=5A, T_j=175$	1.81	2.5	
	$I_R$	$V_R=1200V, T_j=25$	1.9	50	A
		$V_R=1200V, T_j=175$	16	100	
	$Q_C$	$V_R=800V, T_j=150$ $= \int_0^{\quad} (\quad)$	28.7	-	C
	C	$V_R=0V, T_j=25, f=1MHZ$	424	440	F
		$V_R=400V, T_j=25, f=1MHZ$	26.8	27.8	
		$V_R=800V, T_j=25, f=1MHZ$	22.06	23.06	

$I_F=f(V_F) \quad T$

$I_R=f(V_R) \quad T_j$



# Current Derating

10% 30% 50% 70% DC

