



G5S06510HT

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140		

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(SMPS)

(PFC)



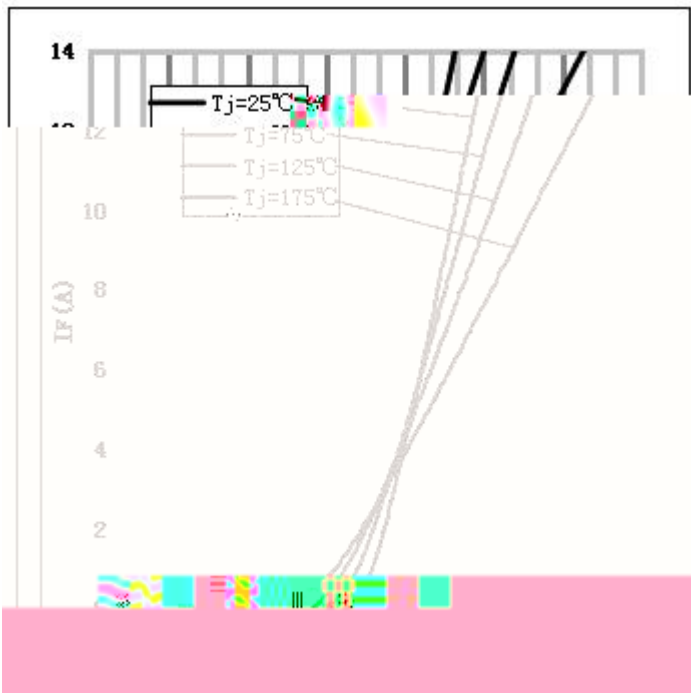
G5S06510HT	TO-220F	G5S06510HT

	$V_{RRM}$		650	V
	$V_{RSM}$		650	V
	$V_{DC}$		650	V
	$I_F$	$T_C=25$ $T_C=125$ $T_C=140$	23.8 12.5 10	A
	$I_{FRM}$	$T_C=25$ , $tp=10ms$ Half Sine Wave $D=0.3$	50	A
	$I_{FSM}$	$T_C=25$ , $tp=10ms$ Half Sine Wave	130	A
	$P_{TOT}$	$T_C=25$	63	W
		$T_C=110$	27	W
	$T_j$		-55 to 175	
	$T_{stg}$		-55 to 175	
		M3 Screw	1	Nm
		6-32 Screw	8.8	lbf-in

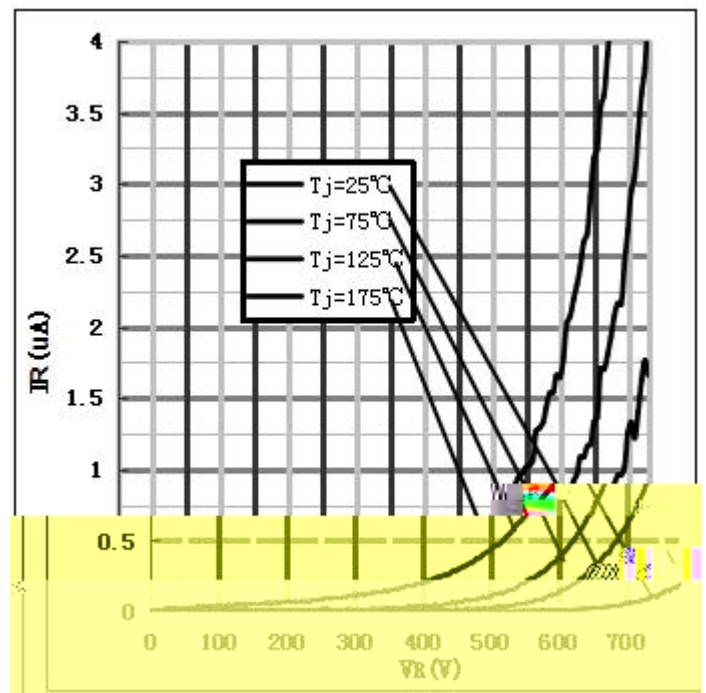
	$R_{thJC}$		2.38	$\Delta W$

	$V_F$	$I_F=10A, T_j=25$	1.3	1.5	V
		$I_F=10A, T_j=175$	1.62	1.8	
	$I_R$	$V_R=650V, T_j=25$	0.5	50	$\mu A$
		$V_R=650V, T_j=175$	1.4	100	
	$Q_C$	$V_R=400V, T_j=150$ $= \int_0 ( )$	31	-	nC
	$C$	$V_R=0V, T_j=25, f=1MHz$	645	680	pF
		$V_R=200V, T_j=25, f=1MHz$	58	61	
		$V_R=400V, T_j=25, f=1MHz$	56	58	

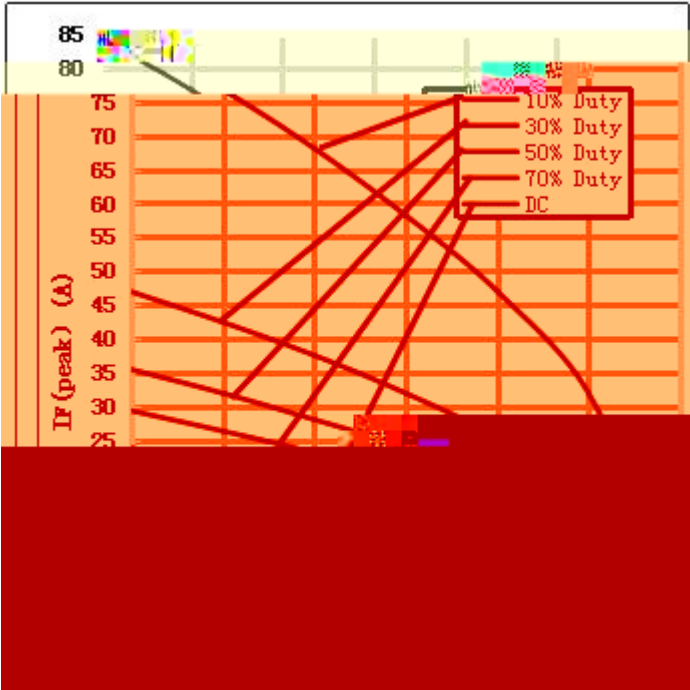
1)  $I_F=f(V_F, T_j)$



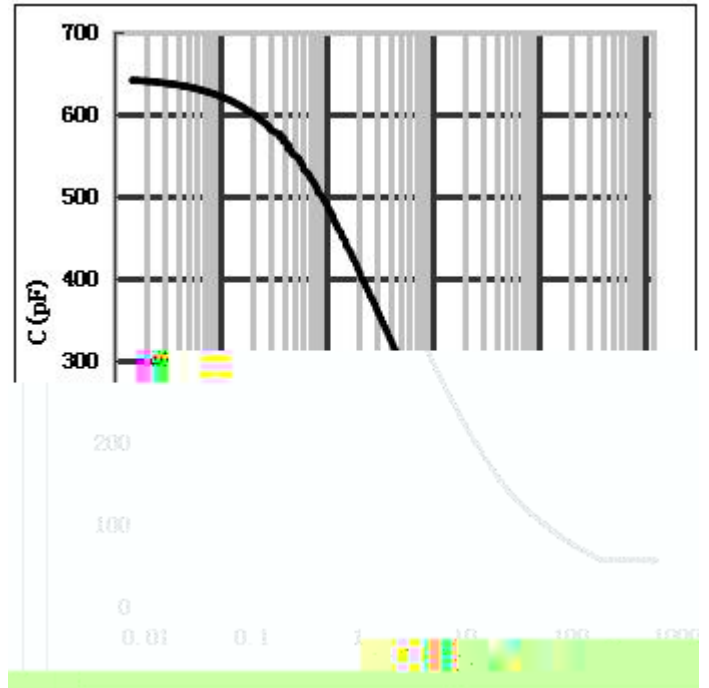
2)  $I_R=f(V_R, T)$



3) C D  
10% 30% 50% 70% DC



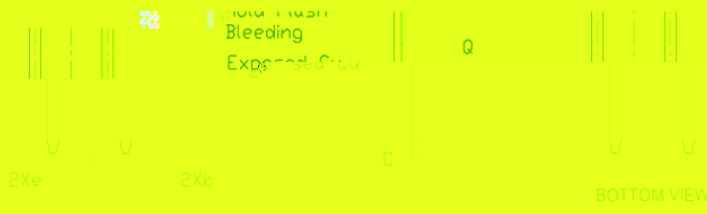
4) -



单位：mm



SYMBOL	DIMENSIONS		
	Min	Nom.	Max.



D	15.80	15.87	15.97
e	2.54		
E	10.00	10.10	10.30
F	2.44	2.54	2.64
G	6.50	6.70	6.90
L	12.90	13.10	13.30
C	0.40	0.50	0.60

Note

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ISO9001 2015

2015 9 23

ISO9000

ISO 1987

ISO9001

ISO9001

ISO9001 2015

<http://www.globalpowertech.cn/CompVisualize.asp>

[http://www w o](http://www.w.o)