

/
%- /

8) %) %	- "
1)	!6	8) %

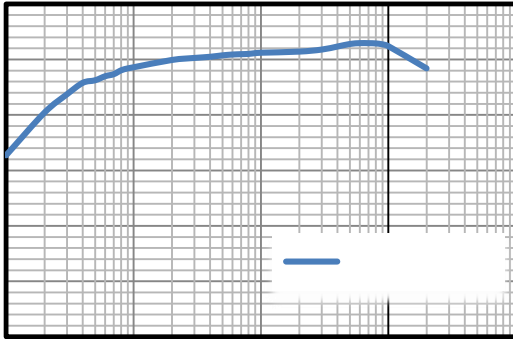
	,	
	-	8
	.	87

"				
		(-)%	
		%-)%	
		")%	& *	8

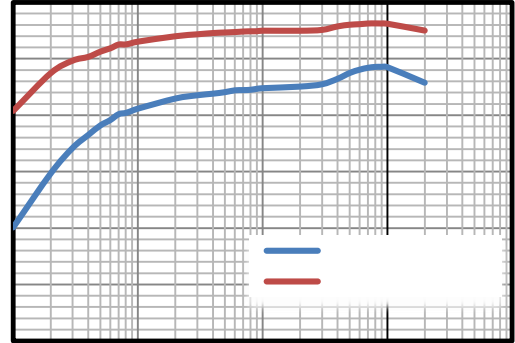
	7	7 !	6 "	8" "%&" %&)
	8	! &	8 !	6 " 8" "%&"
	%&)	!	"%*	%*

- (1) 8 &** *%& 7
- (2) 8 &*, *% 8

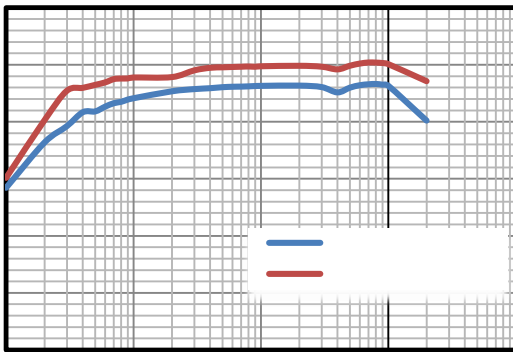
6		&)
8			8



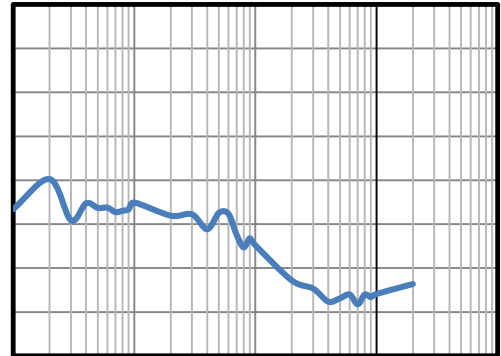
8 ! 2& !*%/%



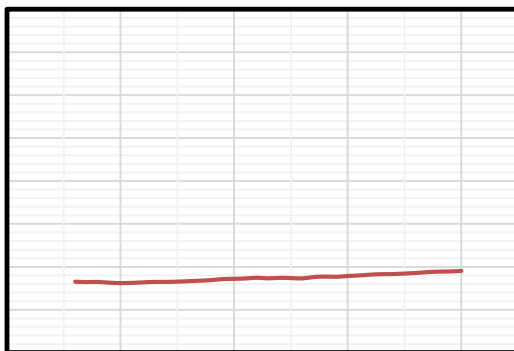
(8 ! 2) !*%/%



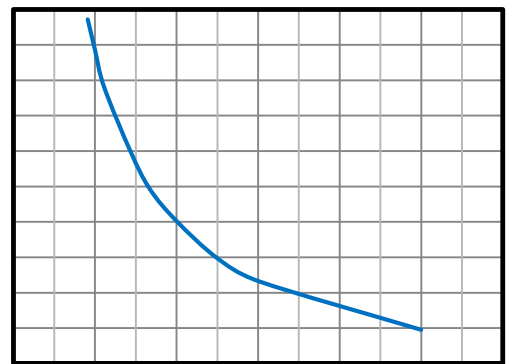
) 8 !



* 2& ! 2((



+ 2 6



, 8 8



-

+



%&

8

8 ! 6

/ 8) %

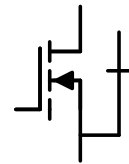
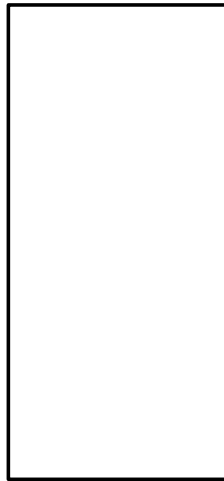


EN

FB

RT/CLK

Oscillator
With PLL



8) %

-

%&

8

8 ! 6

/ 8) %

%

&& 6

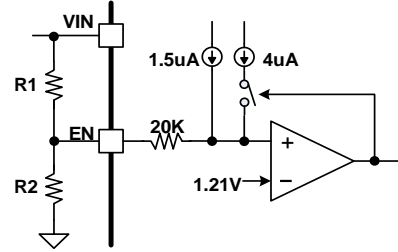
&* 6

!

&
&

&*

&



&*

•

•

8) %

%-

±1% tolerance

7

&

(

!

8

8

&%/

++

&/%

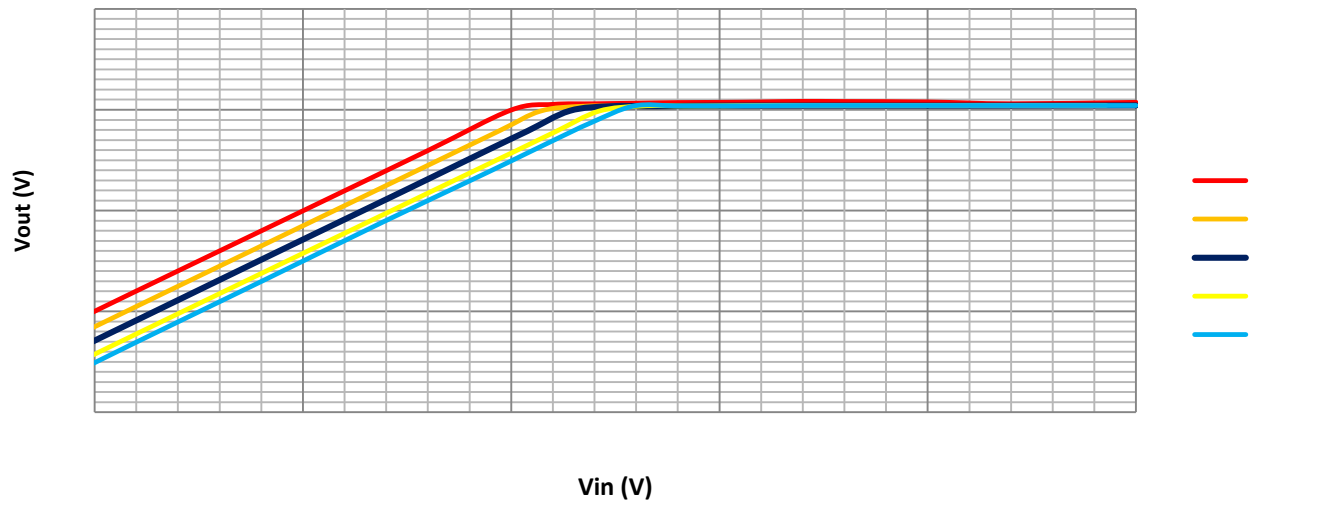
%&

8

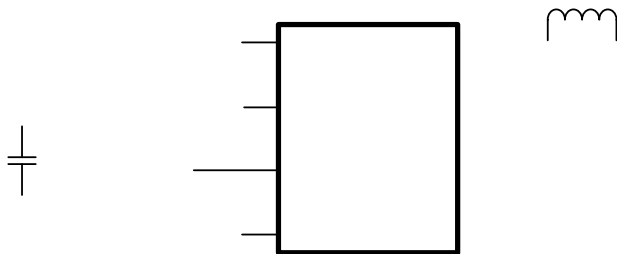
8 !

6

/ 8) %



& 8 2*
 " " & " " 8) %
 !
 7 (, 8 * & ! 8 6
 - & " 8 * & "
 !
 8) % " 7 7 &&% 7
 %- ! &% " %- ! " 7
 8) % & %&! & * 8!
 & * 8!



) (-)%
	((
8	6
	*%/%
	&+ *
	*, +
) ++

* + + &%
 * * +
 /
 •
 %-

&-	& ,	&%
*	&*	&%
(((&+	&%
*	* (+	&%
&	&)(&%
)	.)	&%

!
 ! &%% " !
 ! *%%

8

+!
 /
 •

%%	*%%
((%	(%&
*%%	%%
&&%%	. %.

6

" & ! &* !
 ! 6 ! - & () &

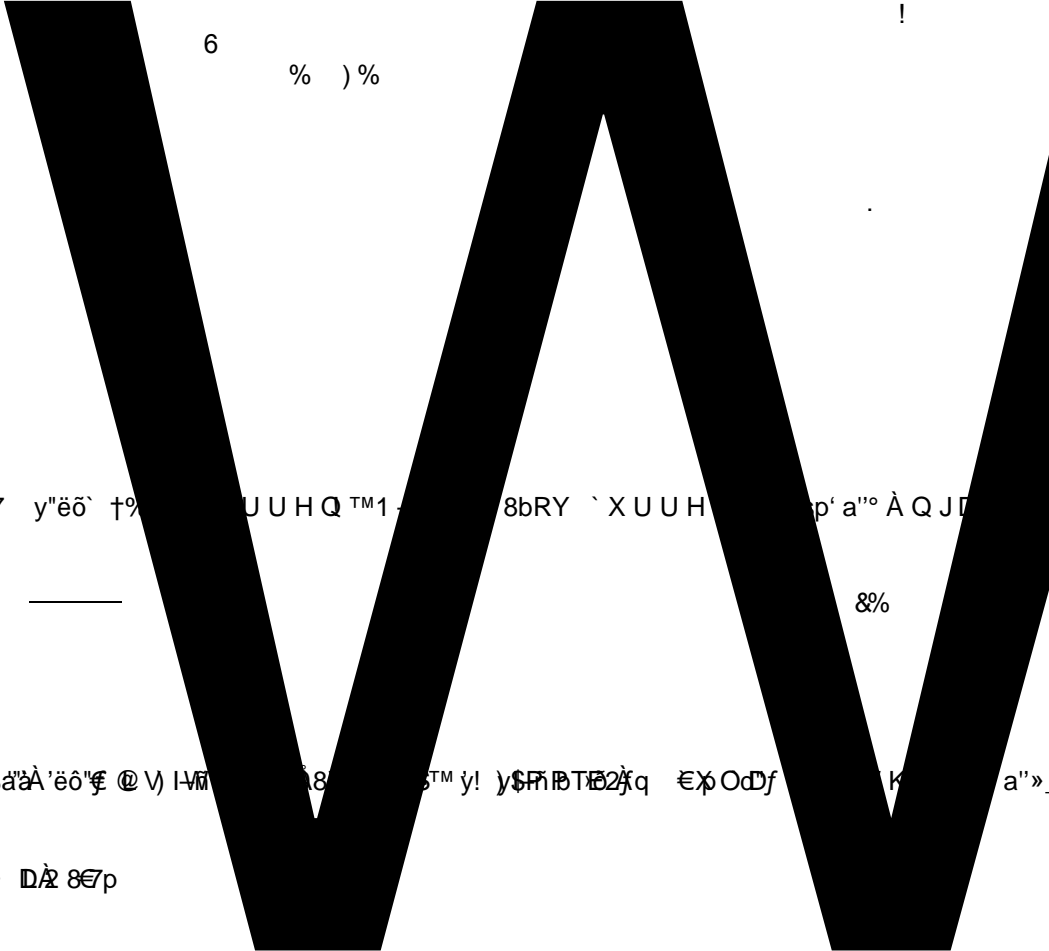
* ,) +)

8

8

!

!



" " !

6 %)%

!

" "

" "

"FXUUHQ'—7 y"ëö` †% U UHQ™1— 8bRY `X U U H p' a"° À Q J D

&%

LV WKH D€\$ ' a"z"À'ëö"€ @ V) I V 8™ y! y\$P B2f q €p Odf K a"».

8

/,5 LV F e07a"y"fc049y• DÀ 8€p

!

&&

&

!

! 6

&&

+

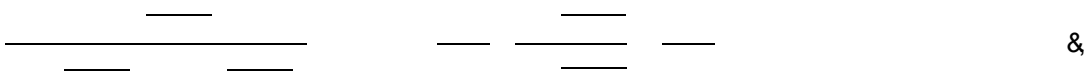
LV WKH q& y XU2 â yG

! 2% %(! 8% ! 6
(6 , 6 ,))(* 8%8%8%
+6 - *6 8 &+ (8% -
68 " 8 8 8 8 !
8 8 8 8

-
-
-
- 8
-
-

8 ! ! 8
!), !

8) %)! & 8, 8+ 8 6
&



- 6 6
- 8 " ! && 6
- 8 &



- 6
- 6 " ! (%%
- 6

) 8, & ! & /
&



! 8+ ()

(

)

)

!

6

!

6

&&%

8

)

*



TECHNOLOGY

%&

8

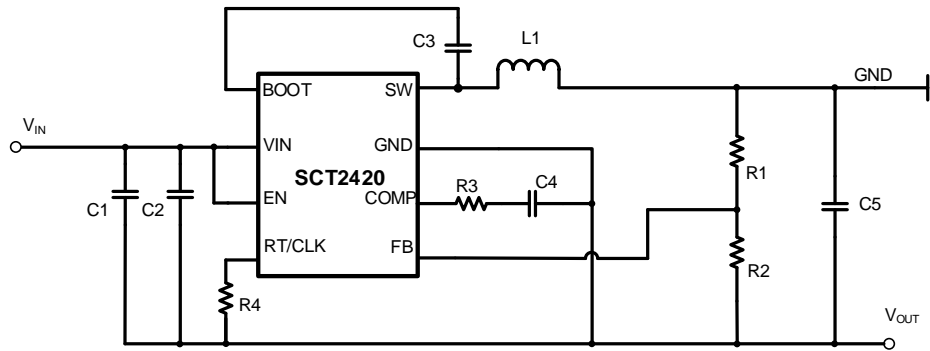
8 !

6

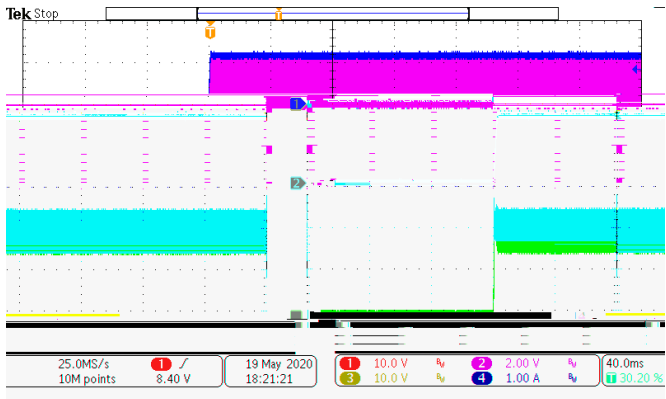
&

/ 8) %

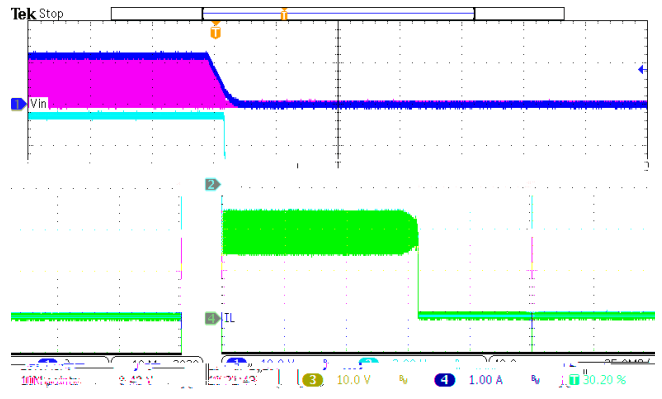
8) %



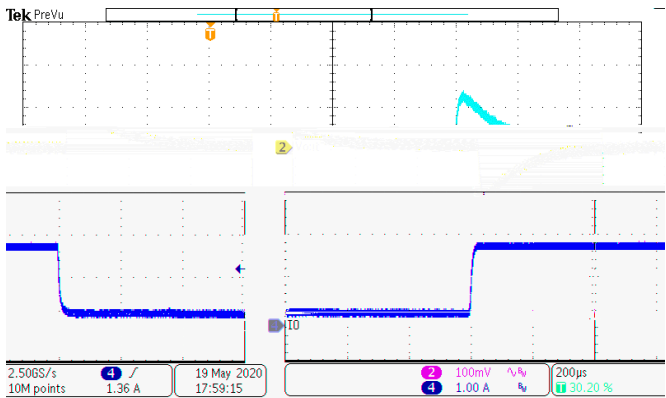
! 2& ! 2((! 2 6! 2 *%%



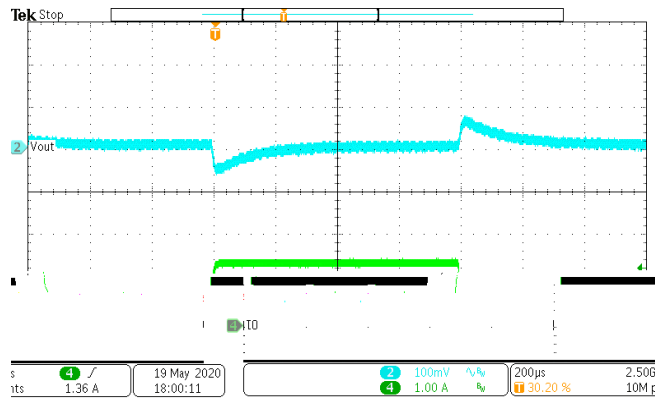
%



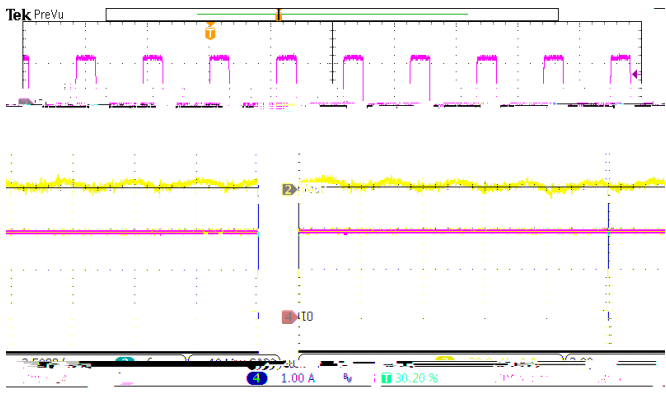
&



% 6" &- 6! &+6

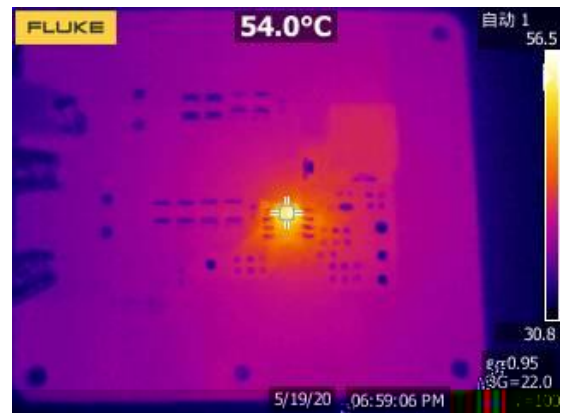


(%+6" &) 6! &+6



)

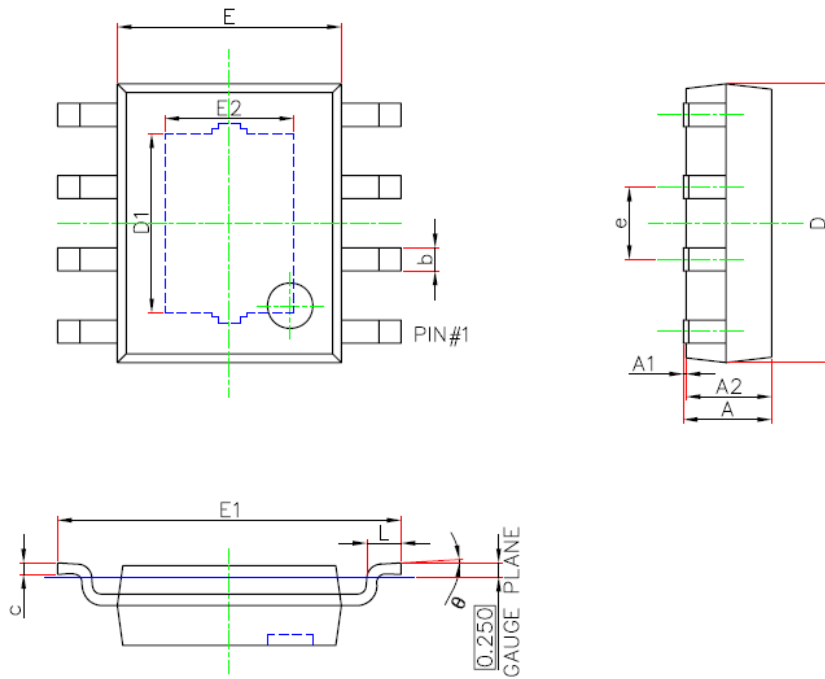
2 6



*

! ((

6



- . * & %

6	& (%/8%	& , %/8%	%%& &	%%& ,
6 &	%%& & &	%& & &	%%& &	%%& &
6	& (* %	& ** %	%%& (%%& &
	% ((%	%* & &	%%& &	%% &
	%& %	% * %	%%& &	%%& &
) , %/8%	* & &	%& *	% %&
&	(%/8%	(* %	%& %	%& -
	(- %/8%) %/8%	%&* %	%&* ,
&	* - %/8%	+ %/8%	% -	%))
	&+ %	(+ %	%% *	%% (
	& , %/7 8)%% %/7 8	
	%) %/8%	& , %	%%&+	%%& %
theta	%	-	%	-

- 1.
- 2.
3. 6
- 4.
- 5.
6. 8 87

