

4.5V-100V Vin, 1.2A, Step-down DCDC Converter

FEATURES

- Sea 51 pN jca60*1R)-, , R
- -* = kjpaj k oK p p majp
- . *31= la g_ majp hē φ
- 5pacn pa 2, , i Dēd) Oea j / , , i Hk) Oea Lk anl KOBAPo
- -1 = M eo_ajp majp p dR & a
-2, = M eo_ajp majp p dR & a
- Oa h_p h LBI (QOI j BLS I K l an p j l k ao
- -* R . Baa _g Nabaraj_a Rklp ca
- 0*/i o 5panj hOkp op rpPē a
- Bea O p dēc Bram aj_ p / , , GD
- KP kjp kh l k a
- BLS I i k a o l l k r p k) _g Pkl klkc
- Lra _k j Aj h Pdraodkh t k n Lrkc n i i h
51 p Rklp ca Qj an) Rklp ca Hk_g K p Lrkpa _k j
QRHK % Pdraodkh j D oparao
- _h) _h majp hē φ
- K an) Rklp ca Lrkpa _k j
- K an) Pai l an p ra Lrkpa _k j
- = h h ē j AOKL) 4 L _g ca

APPLICATIONS

- CLOn _gan
- A) 5a (O_kkpan
- >I O

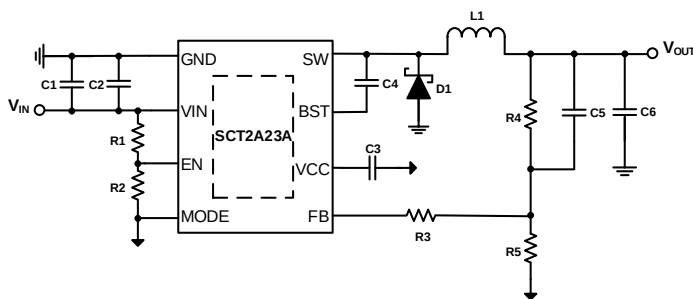
DESCRIPTION

Pda O P. = . / = h - * = Qpal) k j _kj arpan
p d ea ē l p klp ca (n j c ē c b r k i 0 * 1 R p k - , , R (
dēd ē pacn pao j 2 , , i dēd) oea l KOBAP j
/ , , i h k) oea l KOBAP * Pda O P. = . / = (kl p j c
pda _k j op j p k j pē a KP % k a _k j p k h (o l l k r p pda
LBI i k a p d p l e h - 2 , = h k m eo_ajp _majp
dēd o o e p pda _k j arpan k j _dē ē c dēd a hē _
p hē d p k k n o p j _k j p k j *

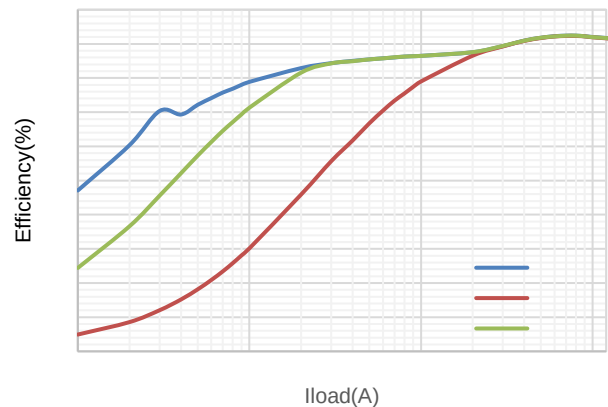
Pda O P. = . / = h a p r a o o a h _p h a k l an p j i k a p
hē d p k (dēd l r k e a o pda h a e p p k o a h _p L h a
Bram aj_ l k h p k j LBI % k _dē a dēd a hē _
pda hē d p k (Q l n o k j e l k a QOI % k gaal pda
o p dēc bram aj_ k a e h a bram aj_ r a o
nēc hē d p k _k j p k j o j t k n a L h a Sēd
l k h p k j BLS I % k _dē a o i h a n k p p nē l h
j o l l k r p k h p k j _g p k l k l k c *

Pda O P. = . / = k h a r o _ h a) _ h a _majp hē φ
l r k p a _k j (p d a r i h o d p k j l r k p a _k j (k p k a n)
k l p c a l r k p a _k j j k a n p a i l a n p r a l r k p a _k j *
Pda a e a h h ē j 4) l ē p d a r i h a j d j _a
AOKL) 4 l _g ca *

TYPICAL APPLICATION



4.5V-100V, Buck Converter



B>	1	
R	2	K p pbrki pda Epanj hDed Rklp ca Nac h pkn* Pda Epanj hR rac h pkn lrk eao eo o l l h tknpda c pa reao j kpdan Epanj h E E *= hrcanpd j -*, B a k l h e c l Eknora ki i a j a *
>OP	3	Lk ano l l h e o t k n d e d) o e a l k a n l K O B A P c p a r e a n t k j j a _ p , *- B _ l Eknbrki > K K P l e j p k O S l e j * > k k p p n l _ l Ekn o _ d r c a d a j t k) o e a l k a n l K O B A P e k j k n O S k l p c a e t k *
OS	4	Nac h p k n o e _ d e j c k p p * k j j a _ p O S p k j a p a n j h l k a n e j p k n
Pdari hL	5	Da p e o e p k j l p d k b e * A l a _ p r e t h _ k j j a _ p k j p k C J l e j * l o p a _ k j j a _ p a p k c r k j l h j a k j L > t k n l r k l a n k l a n p k j j k l p e e a p d a r i h l a r t k r i j _ a *

RECOMMENDED OPERATING CONDITIONS

K ankl an p e j c b r a a) e p a i l a n p r a n j c a j t a o o k p d a n e a j k p a

R _E	E l p k l p c a n j c a	0*	-, ,	R
R _{KOP}	K p p k l p c a n j c a	-*	/, ,	R
P _F	K l a n p e j c f j _ p k j p a i l a n p r a	)0,	- . 1	

ESD RATINGS

R _{AO}	D i j > k l k a h D > l % l a n = J O F A A) F O , , -) , - 0 o l a e p k j (t h l e o - %	) -	-	gR
	d r c a a e a l k a h l % l a n = J O F A A) F O , , .) ., - 0 o l a e p k j (t h l e o - %	) , *	, *	gR

(1) FA A k _ i a j p F A L - 11 o p p a o p d p 1 , , R D > l t k o o b a i j b _ p r e j c e d o p j n A O _ k j p k h l r k _ a o o *

(2) FA A k _ i a j p F A L - 13 o p p a o p d p . 1 , R l t k o o b a i j b _ p r e j c e d o p j n A O _ k j p k h l r k _ a o o *

THERMAL INFORMATION

N _{F=} - % %	F j _ p k j p k i e j p p d a r i h r a o e p j _ a	// *5	tS
FP . %	F j _ p k j) p k) p k l _ d n _ p a r e p k j l n i a p a n	0* - /	
F> . %	F j _ p k j) p k) k n _ d n _ p a r e p k j l n i a p a n	-- *4.	
N _{F pkl} - % %	F j _ p k j p k _ o a p d a r i h r a o e p j _ a	2 - *2/	
N _{F>} . %	F j _ p k j) p k) k n p d a r i h r a o e p j _ a	- . % / .	

- % O P l r k e a o N_{F=} j N_F j i a r o k j h o r a b a r a j _ a p a o p e p a f j _ p k j p a i l a n p r a o k p d a a e a o * N_{F=} j N_F r a j k p
_ d n _ p a r e p k l _ g c a e a l k (p k b i j k p d a n o o p a i t a a h _ d n _ p a r e p o o _ d o p d a a o e j j h k p k b p d a l n e j a _ e _ p
k n L > % k j d e d p d a O P . = . / = e i k j p a (p d a r i h l o e a (j a p a n j h a j e k j i a j p h b _ p k r o * P d a L > k n e d a p o e j g
p d p o e k h a r a p k p d a t a o j p d a r i h l k b p d a O P . = . / = * d j c e j c p d a a o e j k n _ k j b e n p k j k b p d a L > k n _ d j c a o p d a
a t e e j _ k b p d a d a p o e j g j p d a r a l k r a p d a _ p h N_{F=} j N_F *
. % a o r a k j F A O 1 -) 3 (0) h a n L > * P d a h a o c e a j e p d e p t a r a k j h t e t k n _ k i l n e k j e d k p d a n l _ g c a o j _ j j k p
a o a t k n a o e j l r k o a o * P d a o a h a o a r a _ h _ h p a e _ k n j _ a e d F A O 1 -) 3 j o e h p a k j o l a _ e a F A A
k n * P d a k j k p r a l r a o a j p d a l a r t k r i j _ a k p e j a e j j _ p h l l t e p k j *

ELECTRICAL CHARACTERISTICS

R_{904R}(P_{F9})0, - .1 (p l e h h a o p a a j a n . 1 *)

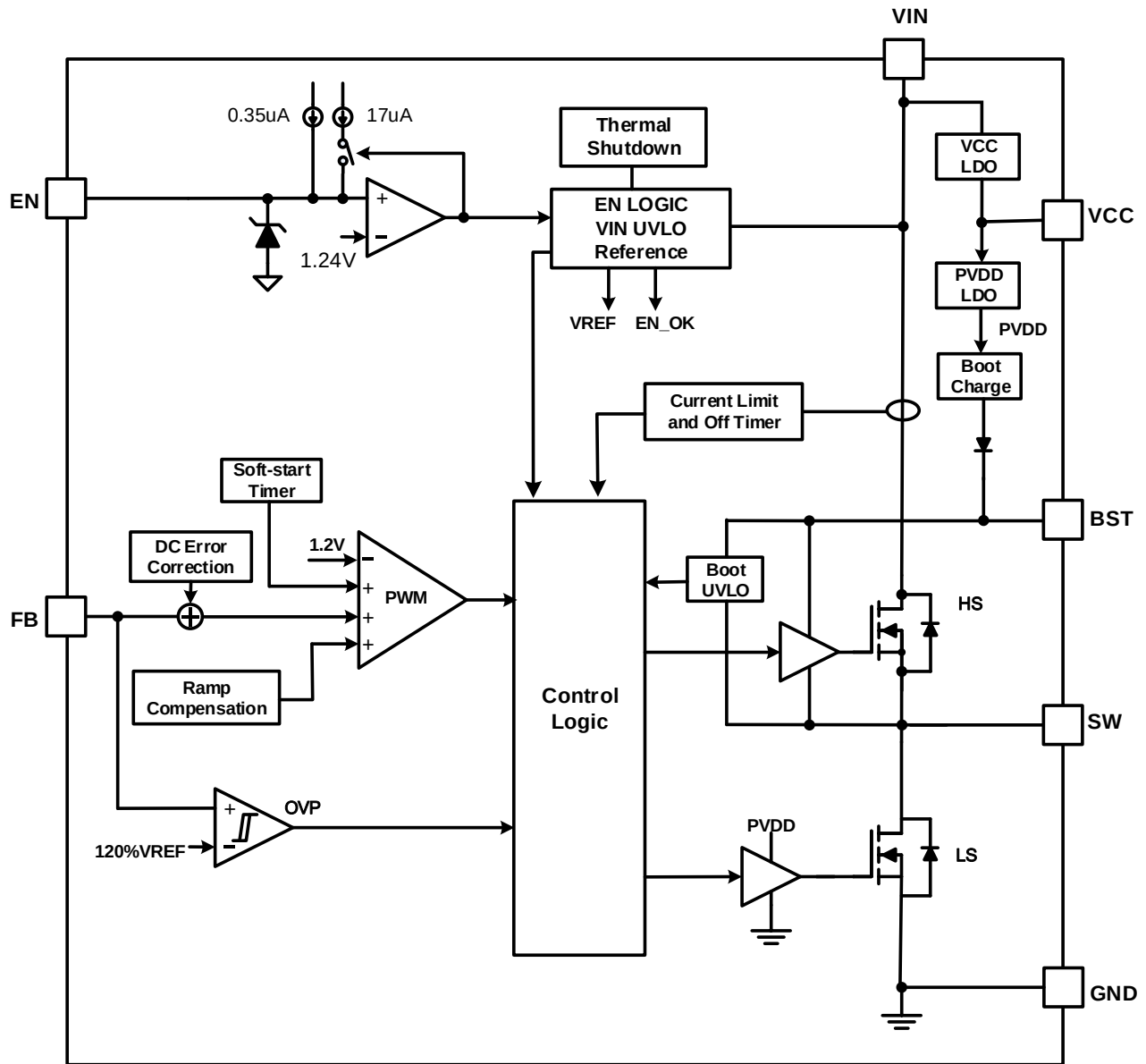
R ₉	K l a n p j c e l p k l o c a		0* - , ,	R
R	R N a c h p k n K p l p		3%	R
R Q R H K	R Q R H K P d r a o d k h D o p a r a o o	R ₉ n o e c	0* - . 1 ,	R i R
R ₉ H E E D J	R e j a n j h H K _ m a j p h e p O d p k j _ m a j p h e k i R E l e j	R o d k r p k c r k j A J 9 , (j k l k	/ ,	i =

R _{KRL}	Baa _g k an klp ca ed raol a_ppk rabaraj_a klp ca	R _{B>R_{NAB} b hñj c}	--1	
R _{QRL}	Baa _g j an klp ca ed raol a_ppk rabaraj_a klp ca	R _{B>R_{NAB} nñj c}	4,	
		R _{B>R_{NAB} b hñj c}	31	
P _O	Pdani hod p k j pdraodkh &	P _F nñj c	-3/	
		D oparaoe	. 1	

& ana bñki aj_d_d n_pare pñj

TYPICAL CHARACTERISTICS

FUNCTIONAL BLOCK DIAGRAM



Buck Converter Functional Block Diagram

OPERATION

Pda O P.=./= 0*1R)-, , R 9l p(-.*=k p p(Opal) k j _kj arpan ed 9j 2, ,i N okj ded)
oea j /, ,i N okj lk)oealk anl KOBAP*~~9j~~ 9l hai ajp _kj op jpkj p a _kj p k h k rac h p k p p k h ca(
l rk e9c a _altaj p h a j lk p n j o a j p r a o l k j o a (j 9 j a n j h a m k n i l h a n l o k _k h e l r k a p d a h a k
rac h p k j *

Pda a ea ba praopdraa ~~da~~rajpklan ~~pk~~j i k ao ~~ph~~edplk ~~q~~c6L ~~ha~~Bram aj_ l k ~~h~~pkj LBI %i k a (Qm)Okje_l k ~~h~~pkj QOI %i k a j ~~tk~~na L ~~ha~~ Sepd l k ~~h~~pkj BLS l %~~q~~ LBI i k a (O P. =. / = l rk eao ~~de~~d ~~h~~edplk ~~ab~~aej_ (a_ oa O P. =. / = aoej oaal ~~k~~jpkh ~~ph~~edplk ~~tk~~ne l rk a ~~ab~~aej_ *~~q~~ QOI O P. =. / = gaal o ~~pa~~o ~~q~~dejc ~~br~~am aj_ k a ~~eh~~a ~~br~~am aj_ ra o ~~pk~~ ke ~~eh~~a ~~j~~ka*~~q~~ BLS l O P. =. / = ~~da~~ ao l k k p ~~pr~~ella j o l l k p ~~tk~~ ~~g~~pk l k k c *

Pda O P. =. / = ba p rao j ĩpanj h0/i o okp op rpe ap k ke h rca ĩn od_ majp j k p p k p cak arodkkp
 nĩc op rp l *Pda o e dĩc bram aj_ e bea p/, , GD *Pda a ea hok o l l k p i k j k p e d_ op rp l e d l n a)
 eo a k p p k j e k j k n L O l i k a j Q O l i k a *

Pda O P. =. / = d o ab l p e l p o p n p l k l p c a k b 0 * - R e d . 1, i R d o p a r a o e * P d a A J l e j e d e d d k l p c a l e j e d l r a e k j p d r a o d k h p d p _ j a o a p k f o p p d a e l p k l p c a l k _ o k p p d r a o d k h o e d p k a p a n j h r a o e k r o p k i a a p _ n p a d e d a n Q R H K o o p a i r a m e a i a j p o * B l k p e j c A J l e j a j l a o p d a a e a e d p d a e p a n j h l l h l _ m a j p k p d a l e * k i j j a p e j c A J l e j k R E l e a p h k n r a o e k n e h o p n p l p d a a e a p k i p e l h *

Pda O P. = . / = b l n l r k p a _ p k j b a p m a o e _ h a p d a R e l p j a n k l p c a l k _ g k p d a k p p k a n k l p c a l r k p a _ p k j (k a n _ m a j p l r k p a _ p k j e d _ h a) _ h a _ m a j p h e e (k p p d n o d k r p l r k p a _ p k j j p d a r i h o d p k j l r k p a _ p k j *

Pda O P. =. / = ai l tk o _k_jop jpkj)pe a KP% k a _k_jprkhl rk e j c b oppn joajp edloa k bea o e_dj c
bram aj _*=pda ac e j e c kba _do e_dj c _la (oe _a pda baa _g klp ca RB>%e tk anpd j pda e panj h
nabaraj_a klp ca RNAB%pda ded)oe a l KOBAP M-%e p nja kj n e j kja kj)pe a j pda e _pkn_ majp
neao p_k_d rca l pda k p l p klp ca *Pda kj)pe a e apari e a pda e l p klp ca j k p l p klp ca *=hpanpda
kj)pe a (pda ded)oe a l KOBAP M-%p njok b j pda tk)oe a l KOBAP M.%p njok j hpan a pe a n p k j *
Pda e _pkn_ majp rklo j pda k p l p _l _ekro ra e_d rca *S daj pda k p l p klp ca a _ra oao j pda
RB> a _ra oa alk pda RNAB knOO (pda M- p njok j c e hpan j kpdan a pe a n p k j *Pd e mal a po kj
_la) _la *

Pda O P. =. / = kngɔ ɛd j ɛpanj h_ki lajo pɔj(ok _oŋki an_k h oa pda a_ea a oŋ(p ɛc
baa tkn n_l b tok l rk ea o ba e ɛp tknkl pɛ e ɛc pda tkkl op ɛp j m joa j praol k joa*

Pda O P. =. / = ə aj ɬa daj pda R l ɛ̃ kɬp ca nəao k p0*-R j pda AJ l ɛ̃ kɬp ca a _aa opda aj ɬa
pdaodkh kb-*. 0R*Pda a əa ə ə ɬa daj pda R l ɛ̃ kɬp ca b ɬno alk / *44R kn daj pda AJ l ɛ̃ kɬp ca
ə alk -*/R*Epanj hl ɬɬ l _majpok naɲk AJ l ɛ̃ ɬɬk opda a əa aj ɬa daj AJ l ɛ̃ ɬɬk pə*

AJ l e e d e d k l p a l e p d p j a k j j a p a k R E l e a p h k n r a o e k n k o p r p l p d a a e a *

Bkn dedano opai QRHK pdaodkh (_k j j a _p j a pa nj h r a o e k n e e a n N / j N 0 % o d k j e B e r a 5 b r k i R E j
pk AJ * Pda QRHK n o e j c j b h r e j c p d a o d k h _ j a _ h h p a A m p k j - j A m p k j . n a o l a p e a h *

S dara

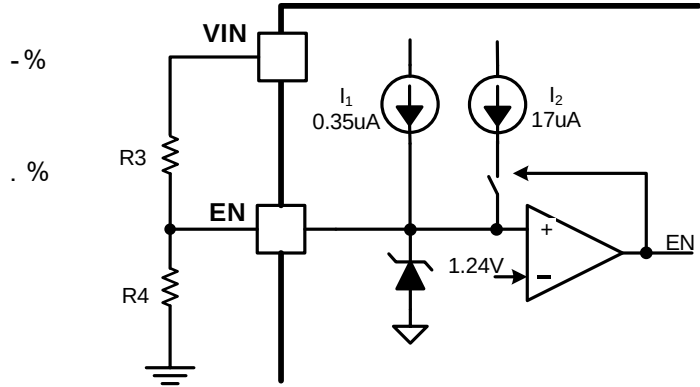
REI na6Rē na pdaodkh pk aj la pda a ea

REI d o6Rē d oparao pdaodkh

E9, */1 = 6jacla_pē _ h_h pēj

E9-3 =

RAJ9-: 0R(oo i a RAJ n9 RAJ b9-: 0R



Bē na 5*O opai QRHK aj la eea

Pda O P. =. /= rac hpaopda ēpanj hbaraj_a klp ca p-: R ed ±. pklan j_a k anpda kl an pēc pai l an p na j klp ca njca*Pda k p p klp ca oap naopkn ee an brki pda k p pjk a pk pda B> l ē* Pē na_ki i aj a pk oa - pklan j_a kn appanraoepkro*Qoa Am pēj / pk _h_h pa raop j_a kbraoepkn ee aro* Pk ē l rk a alē aj _ pēdpk o(hrcan ha raopkro na ra_ki i aj a *Dk a ar(ēpda hao na pk dēd(pda rac h pkn ē ai kra o o_al pēla pk j kēa la pēc k p p klp ca _ n _ *

/ %

dara

- NB> PKL ēpda naopkn_kjja_pēc pda k p ppk pda B> l ē*
- NB> >KP ēpda naopkn_kjja_pēc pda B> l ē pk pda crk j *

Pda O P. =. /= ēpacn pao j ēpanj hoklp)op rp _ē_ ēpd pni l o pda rabaraj_a klp ca brki ark klp pk -: R rabaraj_a klp ca ē 0*/i o* Pda AJ l ē ē l la alk -: /R(o ē dēc opkl o j pda ēpanj hoklp)op rpnaoapo* Pda oklp)op rp lok naoapo nēc od p k j a pk pdari hk artk ēc*

Pda O P. =. /= ba p raopdraa ēbarajpkl an pēj i k ao pēdpk a oē l rkn i i ēc pda l K Al ē*Pda l rkn i i ēc ētkri pēj ēpēa ē tkk ēcp la*Pda i k a oapēc ēhp_da pa _dlk an l knaj la j ē jkp a la pk ai k ēa nēc klan pēj*

l K ALē _kjbe	kjja_ppk R naopkn	Blk pēc	kjja_ppk CJ
Klan pēj l k a	BLS l	QOI	LBI

=j a panj h kkpni l _l _ēkn ap aaj >KKPl ē j OS l ē l k aropda tk pēc c pa neanpk dēd)oealk an l KOBAP*Pda kkpni l _l _ēkn klp ca ē_d rca brki j ēpacn pa klp ca rac h pkn daj dēd)oealk an l KOBAP ēkē j lk)oealk anl KOBAP ēkj*

Pda ē _pkn_ majp ē i kjēkra nēc dēd)oea l KOBAP p nj kj*Pda O P.=./= ē l hāi ajpō k an_ majp
l rkpa_pj ēd_ _ta))_ _ta ē ēc dēd)oea l KOBAP la g_ majp nēc ja la _pa k antk knk p pd n
odkrp_kj ēj*

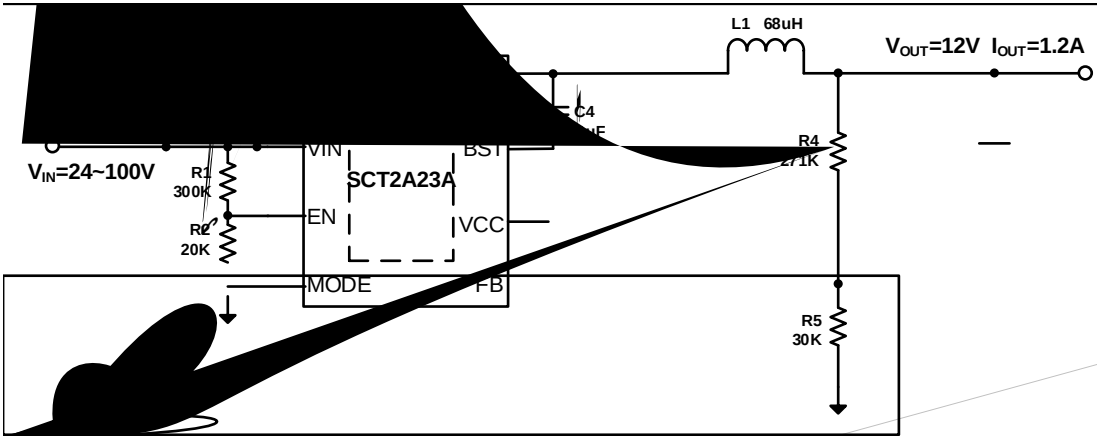
O P.=./= hōk l rk ea DO_ majp ē ēkbpē antkni gēc pda E o ban daj pēcank an_ majp_kj ēj*
Kj_a pēcanDOK an_ majp(pda l raōajpkj)pē al antk ē ē i a epah pari ē pa (j ēhkn_a HOp nj kj jkj)
raōapp hā kbpē antkn ke ēc pda ē _pkn_ majp nj *Pda hājcpd kbkbpē a ē _kj p k hā B> klp ca j
REl klp ca j _k h a _h h pa pda tk hē ēc am pēj*

0%

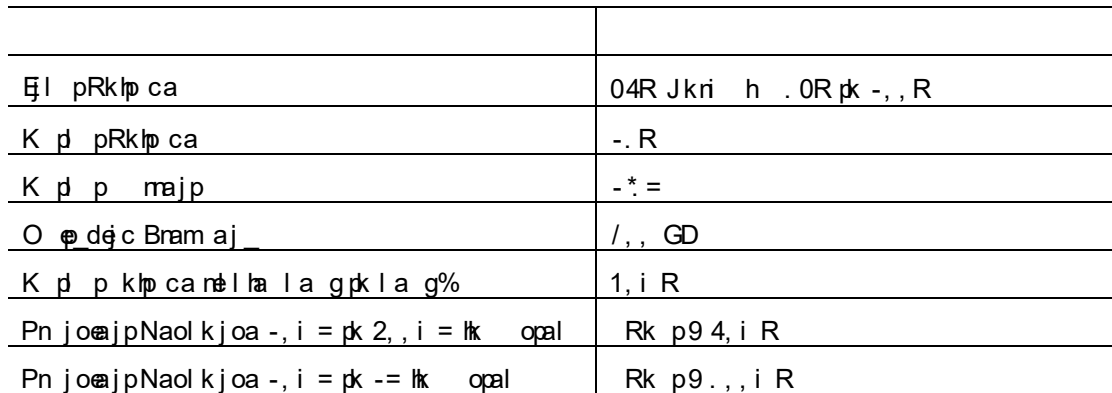
Pda O P.=./= ē l hāi ajpō pda K an) klp ca l rkpa_pj KRL _ē ēn pki ē ē eak p p klp cak arod kkp nēc
lk m jōējp(rā_k anēc bki k p pb lp_kj ēj knēdp lk m jōējp*Pda k an klp ca_ki l n pkn ē KRL
_ē ēn pki l raōpda B> l ē klp ca p k pda ē panj h rābaraj_a klp ca*S daj B> klp ca a _aa o-. , kbēpanj h
-*.R rābaraj_a klp ca(pda dēd)oea l KOBAP p nj okbpē ke k p p klp ca_kj pē a p k ē _ra oa(j lk)oea
l KOBAP ēh p nj kj p k ē_d rca pda k p p klp ca*S daj pda B> l ē klp ca b hō alk --1 kb pda -*.R
rābaraj_a klp ca(pda dēd)oea l KOBAP _j p nj kj c ē*

Pda O P.=./= l rkpa_p pda a ēa bki pda i ca nēc a _aōēada p j lk an ēōē pēj_kj ējō*Kj_a
pda f j_pj pāi l an p rā a _aa o -3/ (pda ēpanj hpdari hoajoknopkl o l k an l KOBAP o ē_dēc*S daj pda
f j_pj pāi l an p rā b hō alk -04 (pda a ēa raōp rō ēd ēpanj hōklpōp rpl d oa*

APPLICATION INFORMATION



Uj pRklp ca	04R Jkri h . 0Rpk -, , R
K p pRklp ca	-. R
K p p majp	-.* =
O p dē c Bram aj	/, , GD
K p p klp ca nē l l a g p l a g%	1, i R
Pn joējpNaol kjoa -, i = pk 2, , i = lk opal	Rk p9 4, i R
Pn joējpNaol kjoa -, i = pk -= lk opal	Rk p9 ., , i R



Pda k p p klp ca oap j a panj hraoekn ee an
 N0 j N1 e ple h l l e p j o dai pe*
 Na ki i aj a N1 raoep j a /, G *Qoa am p j 1
 p _ h _ hpa N0*

V "	f a a b C d	a a d f f
1 R	51 G	/, G
- . R	. 3- G	/, G
. 0R	132 G	/, G

1%

dara6

- R_{NAB} o pda baa _g rabaraj _a klp ca kb- * R

=j a panj h klp ca ee an j ap krg kbN/ brki pda e l p p k AJ l e j N o brki AJ l e p k pda crk j _ j oap pda
 e l p klp ca o Qj an R klp ca Hk _g) K p QRHK % pda o dkh * Pda QRHK d o p k pda o dkh o (kja tknl k an l dai
 pda e l p klp ca o n e c j pda k pda tknl k an k j kn rk j k p o dai pda e l p klp ca o b h e c * Bkn pda
 a i l l a a o e j (pda o l l h o d k h p n j k j j o p r p o p d e c k j _ a pda e l p klp ca e _ r a o o k a -5*40R o p r p
 knaj l a % = p a n pda n a c h p k n o p r p o p d e c (p o d k h _ k j p e a p k k o k j pda e l p klp ca b l l o a l k -0*30R
 o p k l n o l a % Qoa Am p j 2 j Am p j 3 p _ h _ hpa pda h a o / , , g j . , g kbN- j N. raoep k r o *

S dara

REI n e a 6 R e j n e a pda o dkh p k aj l a pda a e a

REI d o 6 R e j d o p a r a o pda o dkh

E 9-3 =

RAJ D 9- * 0R

Pdara r a o a an h b _ p k r o o d k h a _ k j o e a r a e o a h a p j c e j _ p k n o _ d o e j _ p j _ a (o p n p j _ m a j p pda
 NI O _ m a j p j r a o e p j _ a N % H m a n e j _ p j _ a r a o l p e j l a o o e j _ p k n _ m a j p n e l l a j p d a r a k r a l a o
 p k l k a n k p p klp ca n e l l a * Dk a a r (pda h m a n h a e j _ p k n h o _ k m a o l k j o p k e c a n l d o e h o e a (
 d e d a n o a n a o r a o e p j _ a (j l k a n o p n p j _ m a j p * = c k k n l a t k n a p a r i e j e c pda e j _ p j _ a p k o a o p k l k
 pda e j _ p k n l a g) p k) l a g n e l l a _ m a j p p k a l l r k e p a h . , 0 , k b p d a i e i k p d p _ m a j p *

Pda l a g) p k) l a g n e l l a _ m a j p e j pda e j _ p k n l l _ j a _ h _ hpa o e j Am p j 4*

4%

S dara

- ELL o pda e j _ p k n l a g) p k) l a g _ m a j p
- H o pda e j _ p j _ a k b e j _ p k n
- b e s o pda o p d e c t r a m a j _
- R k o pda k p p klp ca
- R e o pda e l p klp ca

- H $\square$ $\square$ p d a i $\dot{\epsilon}$ $\dot{\epsilon}$ i $\dot{\epsilon}$ $\dot{\epsilon}$ p j _ a r a m $\square$
- b $\square$ p d a o $\square$ d $\dot{\epsilon}$ c b r a m a j _
- R_{KQ} $\square$ p d a k p p k l p c a
- R $\square$ i % $\square$ p d a i $\dot{\epsilon}$ $\dot{\epsilon}$ i $\dot{\epsilon}$ l p k l p c a
- $\square$ _Q i % $\square$ p d a i $\dot{\epsilon}$ $\dot{\epsilon}$ i l k _ m a j p
- H *

_d rēc j _d rēc kbpda f j _pāj _l _p j_a j ra arora_k an _d rca*Am pāj -. _o a p k _h h pā
pda p k p h l k an _oē pāj(ē_h ēc_kj _pāj l kooao j _l kooao kbpda & a*

Pda OO1-, & a d o f j _pāj _l _p j_a kb/, , l B* Qoēc Am pāj -. (pda p k p h l koo ē pda & a p pda
i ē i ē l p k l p ca _-: 0 S*

Bpda l k ano l l h o l a j o _oē j _p i k j p k b pē a p l e d p l k _majp k nē o h a l i k a(_k j o e a n o ē c
& a d e d d o l k l a g c a _majp j o h e d p h d e d a n t k n n k l p c a r k l *

-. %

Pda ē l p _majp k pda opal) k j _k j a p a n _oē k j pē k o (p d a r a l k r a p r a m _o a o _l _ē k n p k o l l h p d a
= _majp k pda opal) k j _k j a p a n d e a i ē p ē ē c p d a ē l p k l p c a *Q o a _l _ē k n o p d l k A O N
l k n a p a n l a n t k r i j _a * a n i e _l _ē k n o p d T 1 N k n T 3 N a l a _p e o r a o l h o c c a o p a a _o a k b p d a e l k
A O N j o i l h p a i l a n p r a _k a b e a j p o (j _o o p k j c h r a _k i i a j a p k o a j k p d a n l k a n h a _l _ē k n a *
, *- B % p d o i l h l _g c a o e a , 2 , / % p k b a n d e d t r a m a j _o p d ē c j k o a * L h _a p d a o i l h o e a _l _ē k n o
_l k o a p k R E l j C J l ē o o l k o o e l a *

Pda k l p c a n p ē c k b p d a ē l p _l _ē k n i o p a c r a p a n p d j p d a i ē i ē l p k l p c a * = j p d a _l _ē k n i o p
l o k d a n l l a _majp n p ē c c r a p a n p d j p d a i ē i ē l p _majp n l l a * P d a N I O _majp ē p d a ē l p
_l _ē k n _j a _h h p a o ē c A m p ā j - / *

- / %

Pda k n o p _o a _k j p ā j k _r o p R _B 9 . & R k o p (d a r a 6

- 0 %

B k n o ē l h e p ā j (_d k k o a j ē l p _l _ē k n o p j N I O _majp n p ē c c r a p a n p d j d l k b p d a i ē i l k
_majp *

S d a j o a l a _p ē c _a n i e _l _ē k n o (p j a a o p k _k j o e a n p d a a l l a _p e a h a k b _l _ē k n a _r a o ē c o p d a
e o k l p c a _r k o o _l _ē k n ē _r a o ē c *

Pda ē l p _l _p j_a h a a p a r i ē a o p d a ē l p n l l a k l p c a k b p d a r a c h p k n * P d a ē l p k l p c a n l l a _j a
_h h p a o ē c A m p ā j - 1 j p d a i ē i ē l p k l p c a n l l a k _r o p 1 , p _l a *

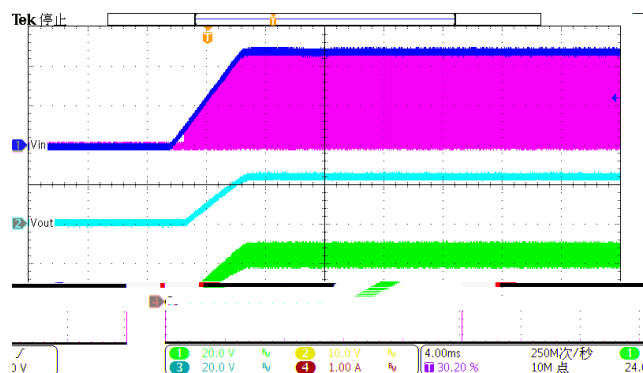
- 1 %

B k n p d e a i l l a (k j a -, B (T 3 N _a n i e _l _ē k n o n p a l k n -, , R ē l n l h a h r a o a * = j , *- B l k n d e d)
t r a m a j _b a n ē c _l _ē k n o l h _a o _l k o a o l k o o e l a p k p d a a e a l ē o *

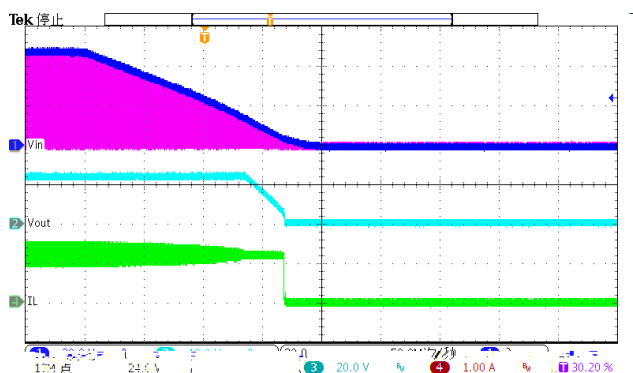
= , *- B _a n i e _l _ē k n i o p a _k j j a _p a p a a j > K K P l ē j O S l ē l k n l r k l a n k l a n p ā j * = _a n i e
_l _ē k n o p d T 1 N k n a p a n c n a a l a _p e o r a _k i i a j a * P d a _l _ē k n o d k h d a -, R k n d e d a n k l p c a
n p ē c *

Pda o a l a _p ā j k b k p _l _ē k n o l h a _p k p _l p k l p c a n l l a ē o p a o p p a j l k p n j o e a j p l a n t k r i j _a *

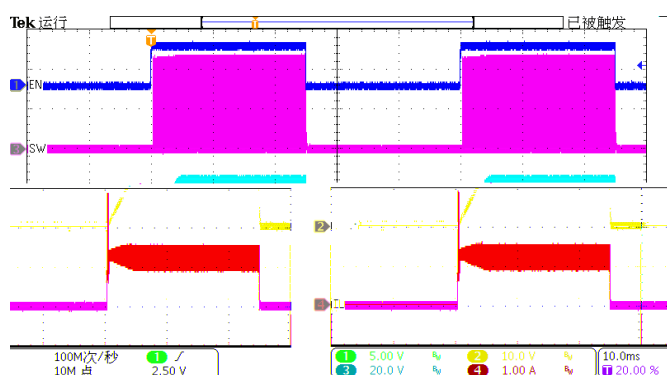
Rq 904R(Rk p9-. R(j hoo kpdan ea j kpa



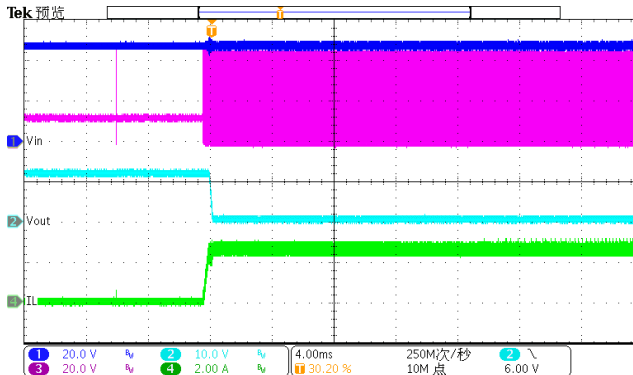
Bæ ra -. *Lk an l 9. = %



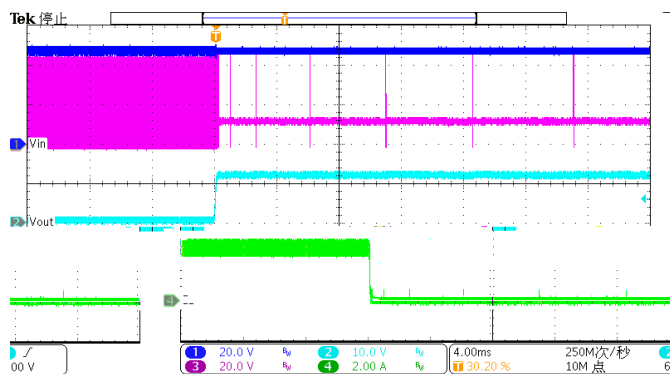
Bæ ra - / *Lk an k j 9- * = %



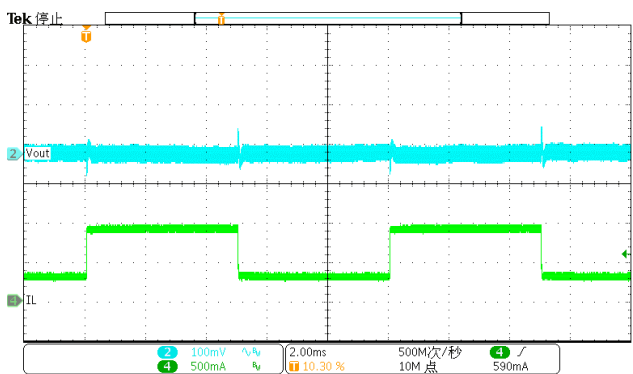
Bæ ra - 0 * Aj la p k c l a 9- * = %



Bæ ra - 1 * K p p D n Odkrp Lrkpa_p k j

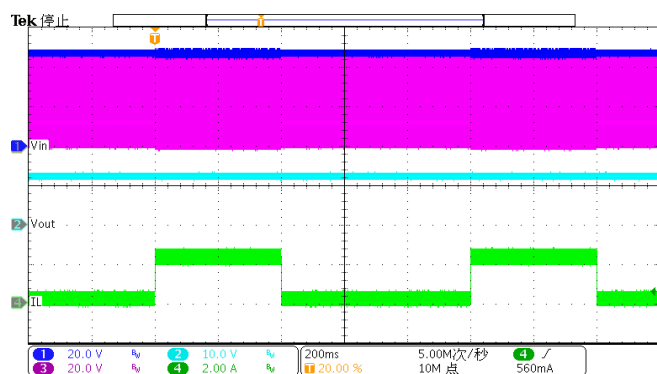


Bæ ra - 2 * K p p D n Odkrp Nala oa

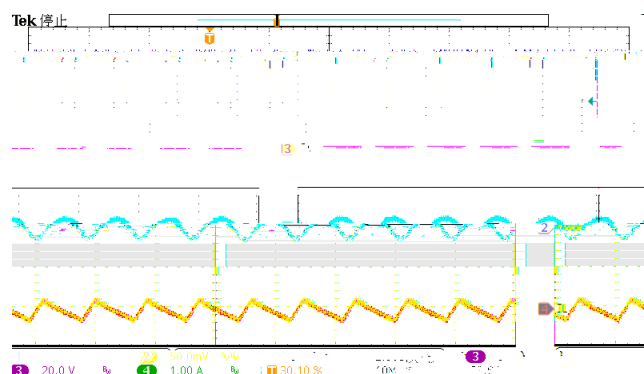


Bæ ra - 3 * Hk Pn jo a j p , * / = p k , * 5 = (- * 2 = + o %

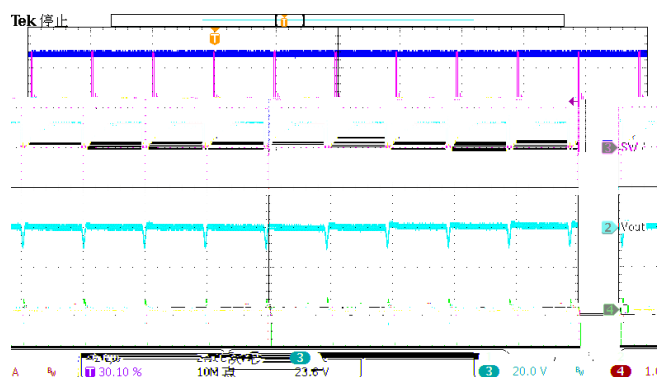
Rej 904R(Rk p9-. R(j laoo kpdan ea j kpa



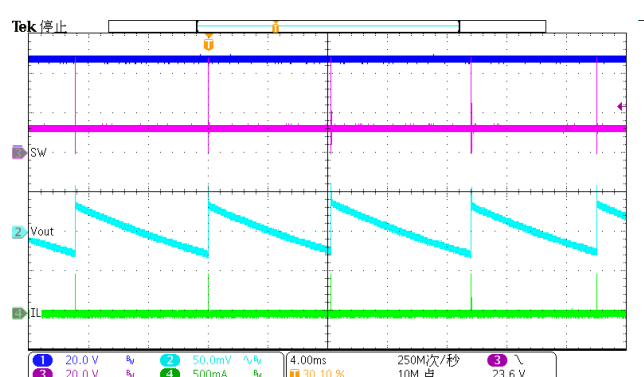
Bæ ra -4*Hk Pn joæjp, = pk. /= 0, , i o%



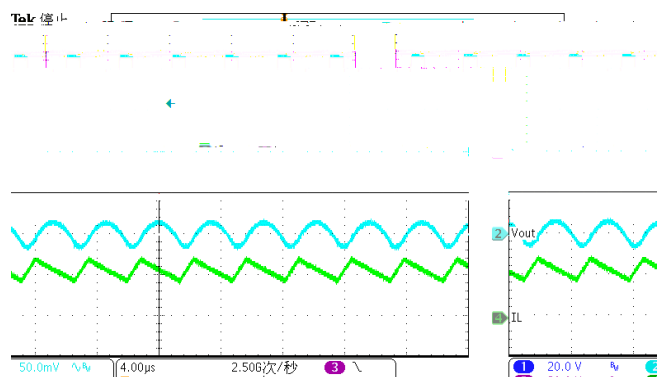
Bæ ra -5*K p pNëI la 8k 9, =(B I %



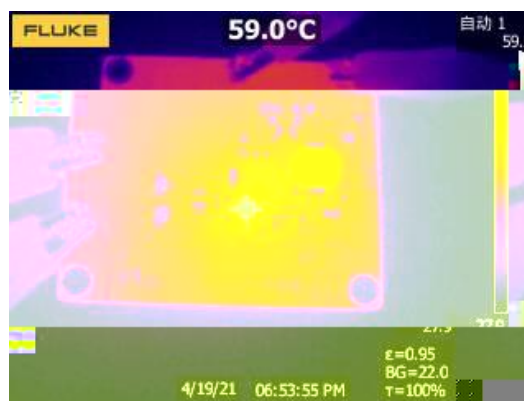
Bæ ra . , *K p pNëI la 8k 9, =(QOI %



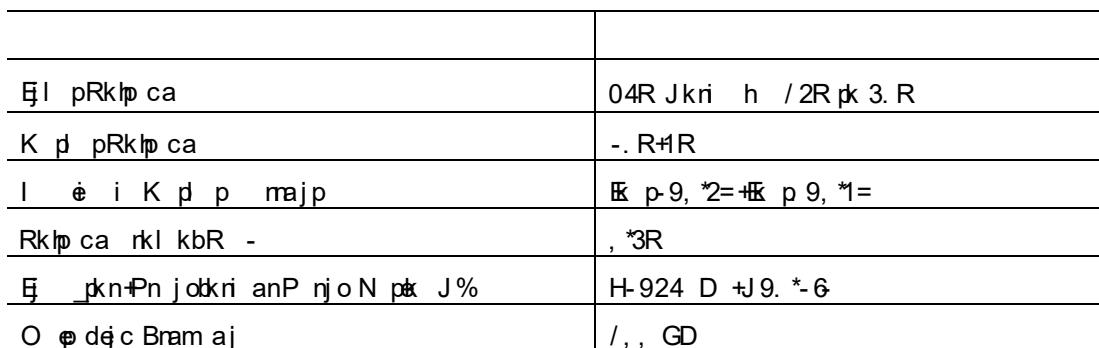
Bæ ra . - *K p pNëI la 8k 9, =(LBI %



Bæ ra . . *K p pNëI la 8k 9- * . =%



Bæ ra . / *Pdari k 04REJ (- . Rk p(- * =



The primary output voltage in a Iso-Buck converter should be no more than one half of the minimum input voltage. For example, at the minimum V_{IN} of 36 V, the primary output voltage (V_{OUT1}) should be no higher than 18V. The isolated output voltage V_{OUT2} is set by selecting a transformer with a turns ratio ($N_1:N_2 = N_{PRI}:N$

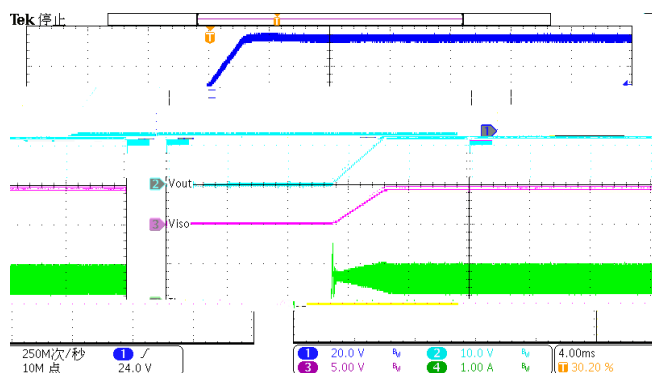
0%

., Bkni kra gikri pkj [toek](#) . . . , Oekj k a_djklkc k(H Ncdp Naoan a
_pBkh anHj go6 O P. =.

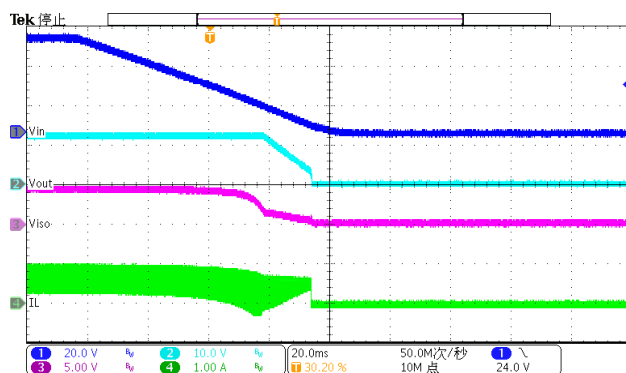


The primar EMC /Span <</MCID 31/L n-US)>> BDC q 0.00000912 0 6 W* n BT500.1>657BDC q4 9.96 Tf 1 0 0 0 G 15

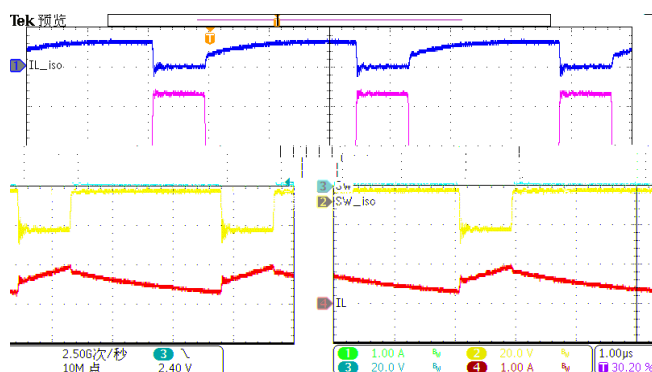
Rq 904R(Rk p9- R(Rok91R(j laoo kpdan oa j kpa



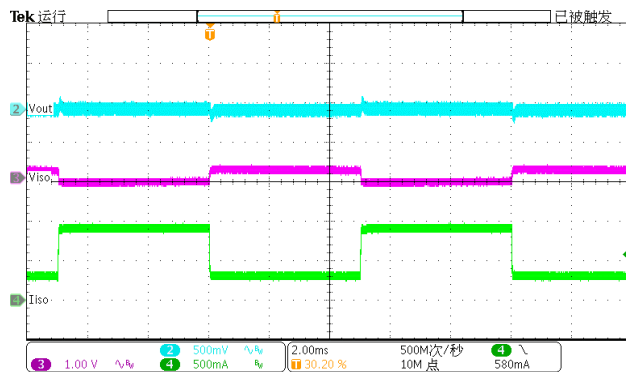
Bæ ra . 1 * Lk an l k9, *2= (k9, *1= %



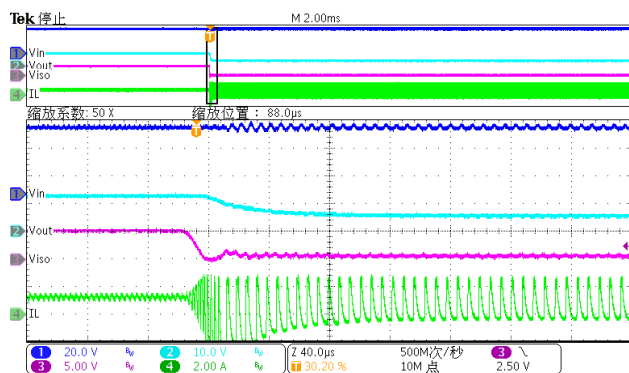
Bæ ra . 2 * Lk an k j k9, *2= (k9, *1= %



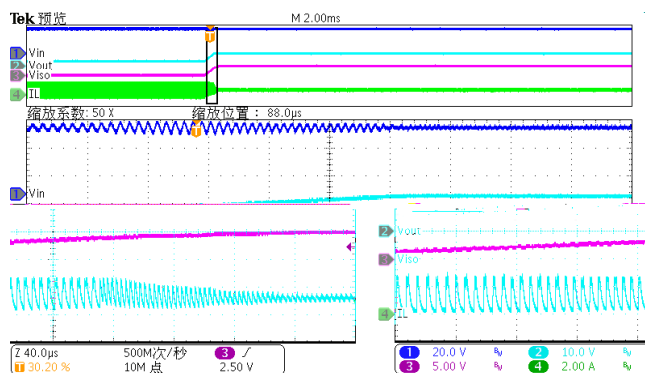
Bæ ra . 3 * Qpa Op pa k9, *2= (k9, *1= %



Bæ ra . 4 Hk Pn joajp, */= pk, *5= ekkl %



Bæ ra . 5 * Qa_kj n)Oe a Odkrp k9- * = %



Bæ ra / , * Qa_kj n)Oe a Odkrp Naia oa k9- * = %

Lrkl anL > h k p₀ _npe htknO P. = ./= oop la j albeajpklan pkj *Pda m_ao_kj _pjc bopo p_djc
_majpkn klpcao ra a o pk ep₀an_p p₀on ej _pj_a j l noe _l _ej_a pk cajan pa jk₀a j
acn alarkri j_a*Bkn appanrao lpo(bkklk pdaoc eah₀ao o alk 6

1. Lk an crk j jc o_dai a₀ an _npe h a_ oa kb_m jc lk an(pdari h j ch₀d+ k j jc jk₀a
ook_epa p₀d lk_g bram aj_*Pda p₀i kb n₀la₀ pki ga crk j m_a lk aop₀elaj aj_a j lk an ra
ep₀re pa a ajh kj L >*O lbeajph lh_jc crk j ra₀ thkl p₀e eapdari h j jkp_ ojc k anda p ra *

2. Lh_a lk AON_an i e _l _pkn o_lkoap k RE l ej j pda crk j olko₀elap k ra _al n o₀e al₀a_p*

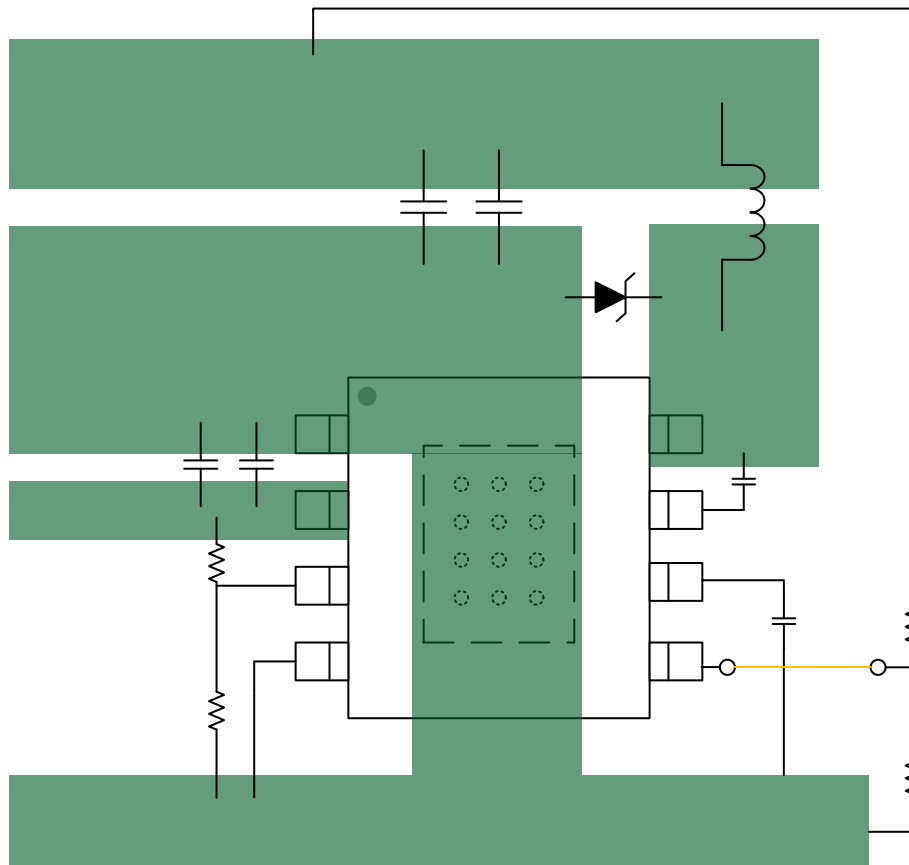
3. Bknkl an pkj pb lhn pa lk (pda pl oe a crk j ra i oplr k ea am pa da p o₀e pjc ra *I ga
o ra pl o p_djc lkkl p₀dk and alk an₀elaj aj_a kb crk j jc *

4. Pda lk anl
odk h a_kjja pa pk k pki L > crk j lhjao ojc i p₀la eo ea_ph j an pda E * Pda ajpan pda ri h
l odk h h o a

5. K p p ej _pk nodk h al h_a _lkoap k pda OS l ej *Pda ra kb pda L > _kj _pkni ej ea pk l ra ajp
a _ao₀ea _l _p₀ea k l h₀c *

6. QRHK f op(R _l _pkn j baa _g_ki lkja j p₀odk h_kjja pk oi h₀oe j hcrk j de di oprap nj
pk pda CJ l ej p₀dk p j ep₀arta jc p₀dk an crk j *

7. Bkn _da jc appan pda ri hlarkri j_a(lk n)h anh k p₀opkjch ra_ki i aj a *



PACKAGE INFORMATION

AOKL4LL 51 -/, %L _g caK pja e ajo&j o

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-	/ * 1,	/ * 1,	, *- ,	, *- 4
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A-	1*4, ,	2* , ,	, * . 4	, * 00
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a	- * 3, >0 %		, * 1, >0 %	
H	, * 0, ,	- * 3,	, * -2	, * 1,
θ	,	)		



TAPE AND REEL INFORMATION

