

5.5V-100V Vin, 1.8A Peak Current Limit, High Efficiency Asynchronous Step-down DCDC Converter

FEATURES

- D VR 6 ba N TR C

REVISION HISTORY

< A2 =NTR bZ CR_ S _ RcVb _RcVV ZNf QSR_ S_ Z NTR bZ CR_ V dURPb_R acR_ V
RcVV RYN Ra _ QbPaV

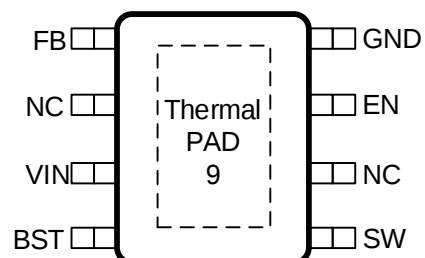
DEVICE ORDER INFORMATION

0 A . A2	AN R RRY		.	%	2 <= %

ABSOLUTE MAXIMUM RATINGS

< cR_ RNaVT SRRNVaRZ RNbRb R dURd VR dRQ			
C6			C
/ A			C
D			C
/ A D			C
2			C
3/			C
< RNaVTW PaV dRZ RNbRA			0
a NTRdRZ RNbRA A4			0

PIN CONFIGURATION



- (1) aR R CR QdJ RYdRQb CR_ O YaR: NeVbZ NaVTZNf FNb RCRVR RZN R aQNZNTR AURCRVRV aTbNN dRQa
S PaV ba VR Sd RP ZZR CRQ< RNaV 0 QdV
- (2) AUV NNZR VNaR PaVNYCR V cNYR N QNGR R QVCRV V dNYQV VRdUR VS _ dPaV
- (3) AUR 0 VPYCR cR dRZ RNbR dPaV a dPaURCRVRQbVT cRYNQP QdV 7b PaV dRZ RNbRd VdRFRQ 0
dUR cR dR RNbR dPaV VNaVR 0 aVb b RNaV NO cRaUR RPaQZNeVbZ RNaVTW PaV dRZ RNbRd V
RQbPR YaZR

PIN FUNCTIONS

3/		6 cRaVT V ba SaURP Z NNa _AURaN SReaR_NYSRQONPX_R Va_QdVR_S_Z dUR ba baa 4 1 Ra dUR ba bac NTR AURCRVR RTbNaR 3/ c NTRa dURVaR_NY RRR PRcNYR S C d VNY
0		a0 RPaV
C6		6 ba b Yc NTR 0 RPaNYPNYCR N FN NPd _S_Z C6 Va 4 1 V =NaU S Z C6 Va UTUSR bR Pf Cf N FN NPd _N Q4 1 Zb aCRN U aN VR
/ A		= dR_b YOM S_UTU VR dR: < 32ATNaRQVR_0 RPaN b3 FN NPd _ S Z /<<A Va D V / aaN FN NPd _V PUNTRQdUR D c NTRV Yd
D		RTbNa _ d VPUVT ba ba 0 RPa D a N ReaR_NY dR_VQbPa _
0		a0 RPaV
2		2 NOR V a dUR RTbNa _d VU VaR_NY bYb Pb_R a b_PR =bYORYd C a QVNORdURP cRaR_3YNaVTa R NORdURP cRaR_
4 1	%	4_b Q
AUR_ZNY=NQ	&	5RNaQV VNaV NaU SQRP 2YPaVNY P RPaV a 4 1 V : b aCRP RPaQa T_b Q NR =0/ S _ R RNaV N Q dZ VRQdUR_ZNYRS_ZN PR

RECOMMENDED OPERATING CONDITIONS

<cR_ RNaVTSPRNVaZ RNb R N TRb R dRdVR aRQ

C ₆	6 bac NTR_N TR			C
C<BA	<ba bac NTR_N TR			C
A ₇				

ELECTRICAL CHARACTERISTICS

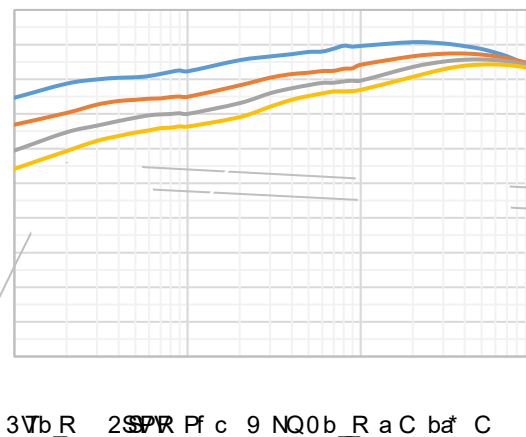
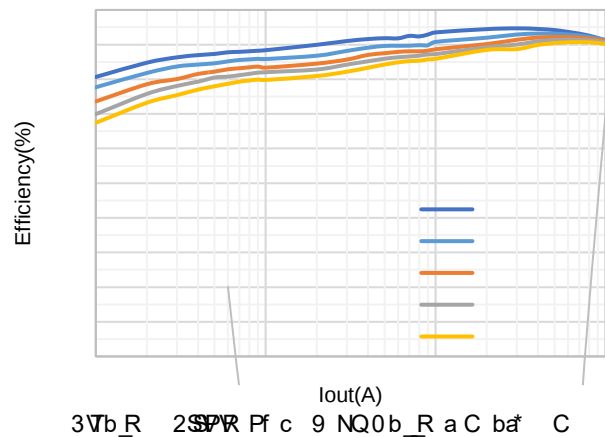
C₆ * %C A₇* 0k 0 d VNYCNYRV dR dRQb QR 0

C ₆	< R _{Na} /T V bac YNTR			C
C _{BC9<}	C ₆ BC9< AUR U Q	C ₆ _VVT 5f dR _R V		C ZC
6 ₅₁	UbaQ d Pb_R aS_Z C ₆ V	2 * YNQ AW 0k 0	%	b. b.
6	bR PR aPb_R aS_Z C ₆ V	2 S _{Na} /T YNQ d VPUVT / <<A D* C AW 0k 0	& %	b. b.
6	. PaR Pb_R aS_Z C ₆ V	2 S _{Na} /T YNQ C<BA* C	%	b.
1 < L5	5VU VR: < 32A R VaN PR	C/ <<A C D* C	&	Z
C ₂₃	R _{SR} PRc YNTR S3/	AW 0 AW 0k 0		C C

C₂ L5 2 NORUUVU dJR U Q

1R_VRQS_Z OR PUPUN_NPa_dNaV

TYPICAL CHARACTERISTICS



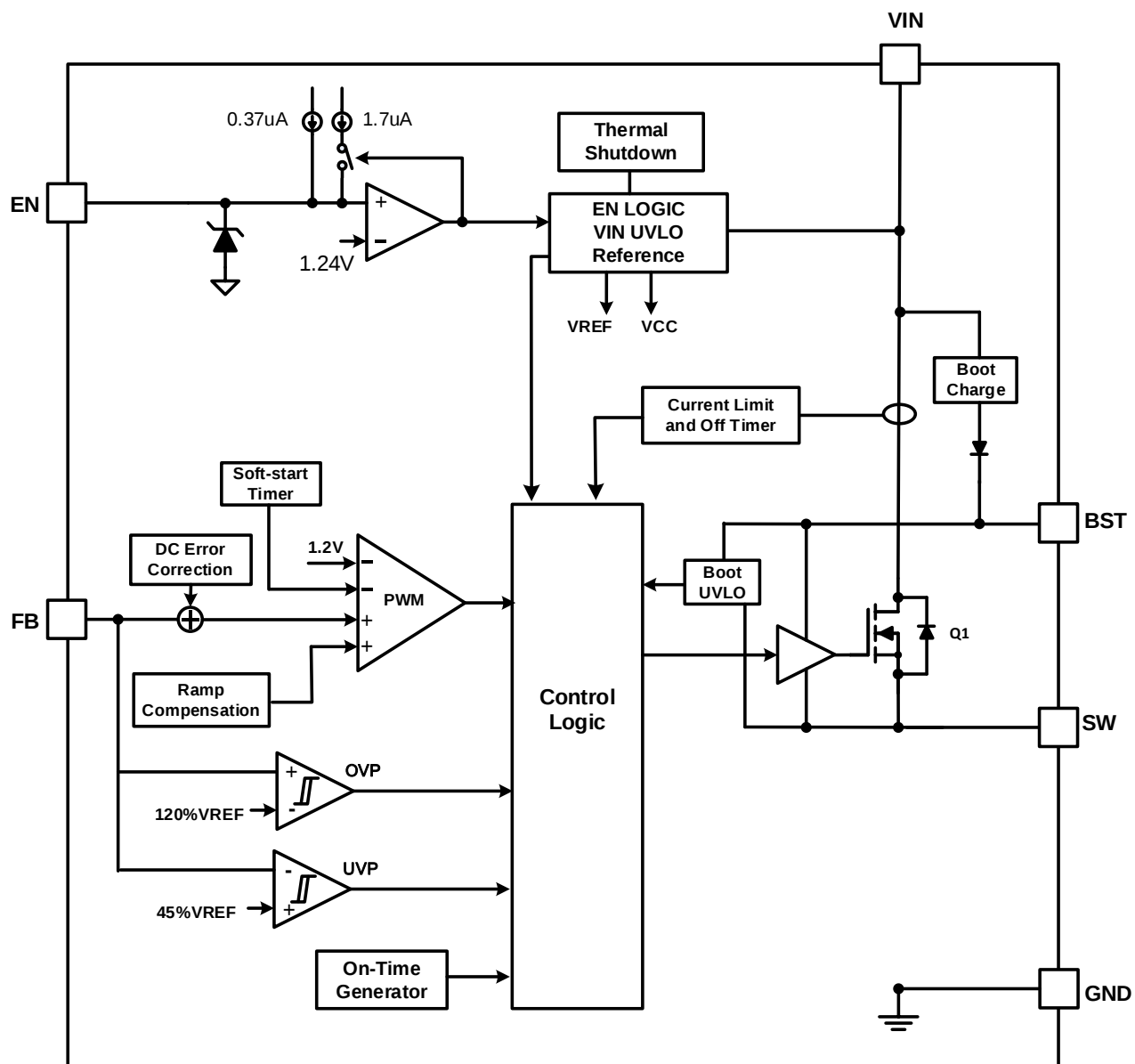
3Vb_R 9 NQ RTbNaV CV* %C C ba* C

3Vb_R 9 NQ RTbNaV CV* C C ba* C

3Vb_R 9VR RTbNaV 6 ba* .

3Vb_R d VPUVT3_R bR Pf c CV C ba* C

FUNCTIONAL BLOCK DIAGRAM



3Vb_R% 3b PaV NY/ YPX1 WT_NZ

OPERATION

AUR 0A. VN C CV ba % RNXPaRaYZadUR C6) C aR Qd 1010 P cRaR_dUObV
V & Z UTU QR dR: < 32A aZ YZR a P aNa aZRP aYa RTbYR ba bac YNTR _cQVT
RePRYR aWRN QYNQaN R aR RN QVaR_NYR__NZ YR_VaRT_NaQVZ _cRaURWRN QYNQRTbNaV

AUR 0A. SNaR N VaR_NY Z Sa aNaZR a Nc Q YNTR V_b UPb_R aN Q ba bac YNTR cR_U a
Qb_VT aNb AUR dVPUVT SR bR Pf V SRQNa & 85g AUR QRcVRNY b _a Z YUP aNb dU_R
OM RQ ba baP QaV

AUR 0A. UN NQRNbYV ba aNab c YNTR S C dU ZC Uf aR_R V AUR 2 V UN N RPVV
dUR U QaNaPN QRb RQa NQV adUR V bac YNTRYPX baadUR U Q dUad ReaR_NYR Va _a ZRRaNPbNaR
UTUR_BC9< f aRZ_R bVRZR a 3YNaVT2 VR NOR dUR QRcVR dUdUR VaR_NY bYb Pb_R aa dUR V

AUR 0A. SYY_aRPaV SNaR VPYQR dUR C6 V bab QR_c YNTRYPX ba dUR ba ba cR_c YNTR N Q
b QR_c YNTR _aRPaV cR_Pb_R a _aRPaV dUPfPRQf PfPRPb_R aYZa ba baUN_Q U _a _aRPaV N Q
dUR_ZNY UbaQ d _aRPaV

AUR 0A. RZ Yf P aNa aZR 0<A: QRP a_Y_cQVTN aaN R adU RbQ SRQ dVPUVT
SR bR Pf . adUR ORTV VT SRNPU dVPUVT PfPR VPR dUR SRQNPXc YNTR C3/ V YdR_dUN dUR VaR_NY
RZR PRc YNTR C 23 dUR UTU QR: < 32A V a_RQ Qb_VT R aZR N QaUR VQbPa_Pb_R a
_VR a PUNTRb dUR ba bac YNTR AUR aZRV QRaZVRQOf dUR V bac YNTR N Q ba bac YNTR . SR dUR
aZR dUR UTU QR: < 32A a_ \$AUR VQbPa_Pb_R aQ_ N QaUR ba baPN NPd _NRQVPUNTRQ
DUR dUR ba bac YNTR QR_PN R N QaUR C3/ QR_PN RQCRYd dUR C 23 _ dUR a_ NTV NQR
N dUR_CRNQaZRQbNaV AUV_R RNa PfPRQf PfPR

AUR 0A. d_X dUN VaR_NYP Z R NaV Pb aZR_P bQb RaUR QRcVR RN Y 3RRQS_dN_QPN 0s
V RPR Nf a _cVR SRQVf S_ aZ YVT dURY aNOVf N QaN R aR R

AUR 0A. VR NORQdUR dUR C6 V c YNTR_VR NO cR C N QaUR 2 V c YNTR RePRRQ dUR R NOR
dUR U Q S C AUR QRcVR VQV NORQdUR dUR C6 V c YNTR SYY CRYd %C_dUR dUR 2 V c YNTR
V CRYd C 6aR_NY bYb Pb_R a b_PRa 2 V NYd dUR QRcVR R NOR dUR 2 V SYNa

AUR RV NGR_R_QVQR V QR dUR 2 V DUR dUR c YNTR SaUR 2 V V UTUR_dUN C dUR GR_R_QVQR
P QbPa a PYZ dUR c YNTR A _aRPa dUR GR_R_QVQR dUR Pb_R aSYd VT dU_bTUdPN aRePRRQ b.

3_NUTUR_f aRZ BC9< dUR U Q P RPaN ReaR_NYR Va_QaVR N Q U d V 3VTbR & S_Z C6
a 2 AUR BC9< VVTN QSYVT dUR U QPN ORPN PbYRQOf 2 bNaV N Q2 bNaV R RPaRY

AUR 0A . RTbNR dUR VaR_NYRSR PRc YNTRNa C AUR ba bac YNTR V RaC N_R Va_QcVR_S_Z
dUR ba ba CRa dUR3/ V @V RP ZZR CRQa b R a RN PR CRaR_R Va_B R2 bNaV a PNpbNR
R VaN PR SR Va_QcVR_A Z_cRRSPR Pf NaYUaYNQ YNTR_cNR_R Va_N_R RP ZZR CRQ 5 dRcR
SaRcNR NRa UTU dUR RTbNa_dYCRZ_R b PR aORA VRNSPaVT ba bac YNTRNPPb_NP

dUR

- 3/LA<= V dUR_R Va_P RPaVTdUR ba baa dUR3/ V
- 3/L/<A V dUR_R Va_P RPaVTdUR3/ V a dURT_b Q

AUR 0A . VARTNR N VaR_NY Sa dNaPVPbNaNZ dUR_RSR PRc YNTR S_Z gR_c Ya C
_RSR PRc YNTR V Z SaUR2 V V bYRQRYd C dVPUVT a N QdURVaR_NY Sa dNa_R Ra
AUR Sa dNaNY_R Ra Qb_VT UbaQ d QbRa dUR_ZNY cR_YNQVT

. ReaR_NYO aaN PN NPd_CRaRR /<<A V N Q D V dR_dRSYNVTNRQVR_a UTU VR dR_
: < 32A AURO aaN PN NPd_c YNTR V PUN_TRQS_Z N VARTNRQc YNTR RTbNa_dUR UTU VR dR_
: < 32AV \$

AUR BC9< SUTU VR: < 32A TNRQVR_UN_VVT dUR U Q S &CNQUf dRR V S & ZC D UR dUR
QRcVR RNr dU UTU Qbf PfPR ReaRZY YUaYNQ O aaN PN NPd_ZNf OR a RPUNTRQ V
P VRNORY TaZR AURc YNTRNaO aaN PN NPd_V V bSPR aa QVRUTU VR: < 32ASYY D UR
dURc YNTRNP O aaN PN NPd_Q QRYd &C /<<ABC9< PPb AUR P cR_R_S PR ab_VT \$
UTU VR: < 32Aa_RSR U dURc YNTR SO aaN PN NPd_a TbNN dRR dRP cR_R_RNaV cR_Nd VR
Qbf_N TR

A ZNVaNV O aaN PN NPd_c YNTR RN R ba baNaRN a Z. YNQPb_R adUR C6 C<BA) C NaRN a
Z. YNQPb_R adUR C6 C<BA) C

AUR VQbPa_Pb_R aV Z Y_RQCb_VT UTU VR32Aab_ AUR 0A . V YZR a cR_Pb_R a_dPaV
dUPfPR Cf PfPR YZ VWTUTU VR: < 32A RNXPb_R aQb_VT b Re RPaRQ cR_YNQ _ba baUN_Q U_a

D UR cR_YNQ_UNQ U aUN R dURP cR_R_PN a_cVR ba baPb_R aa NaV\$ YNQVT_R bVRZR a
AUR VQbPa_Pb_R aV PYZ_RQNa cR_Pb_R aYZ NaV Aub dUR ba bac YNTRQ QRYd RTbNRQc YNTR
dU 3/ c YNTR_R dUN VaR_NYRSR PRc YNTR P a/b b Y CBC=L3 dURP cR_R_a dVPUVT . SR
RZNVVT<33S PfPR dURQRVR_R aNa S Z Sa dNaVT UN R cR_YNQ_UNQ U aP QaV aVY
ReVa Qb_VT Sa dNaN QZNXR3/ c YNTRYdR dUN CBC=L dURQRVR dR_Va ab_VT \$Z QRNTNV D UR
cR_YNQ_UNQ U aP QaV V_RZ cRQ dURQRVRNba ZNaPNY RP cR_a R dR_ZNYRTbNaVT RNaV

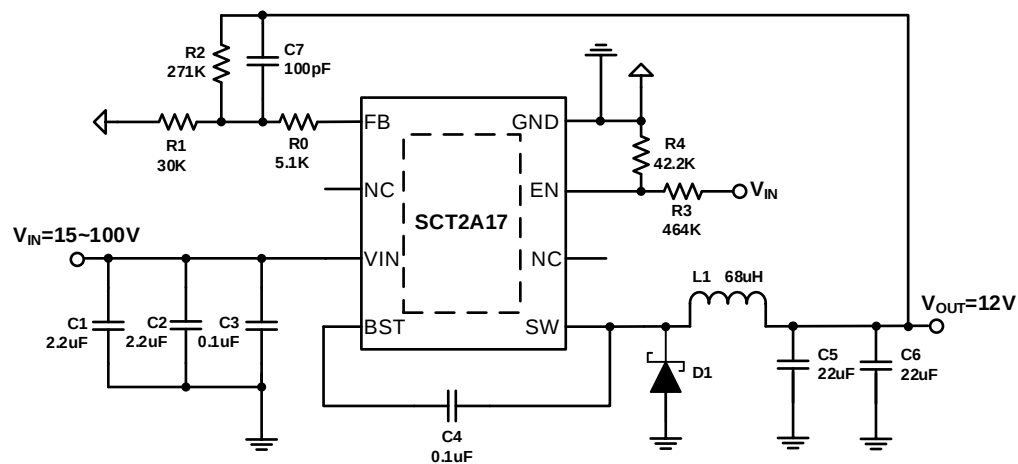
0A . NY_cVRN5 Pb_R aYZ SaZR_S_ZNXVTaUR dNR dUR aVTR_cR_Pb_R aP QaV < PR
aVTR_5 cR_Pb_R a dUR_R R a aZR R_VQV V_ZRQNaY dR_ZVNaQa Nc QaURVQbPa_Pb_R a b NdNf
AUR R TaJ S SaZRV P a_YRQf 3/ c YNTRN QC6 c YNTRN QP bQORPNpbNRQf dURS Yd VT 2 bNaV

AUR 0A . V YZR a dUR<cR_C YNTR=_dPaV <C=PVPbVf a ZVZVR ba bac YNTR cR_U aQb_VT
YNQaN R a RP cR_VT S_Z ba baNaYP QaV_YUaYNQaN R a AUR cR_c YNTR P Z NNa_V <C=

PVbW P Z NR dR3/ Vc YNTRa dR VaR_NY RSR PRc YNTR D UR 3/ c YNTR RePRRQ SVaR_NY
 C RSR PRc YNTR dR UUTU QR: < 32A d_ Sa Nc Q babac YNTRP a/bRa VP RN R D UR dR3/
 Vc YNTR NY CRYd SaR C RSR PRc YNTR dR UUTU QR: < 32APN d_ NTNv

AUR 0A . _aPa dR Qrc VR S_ Z dR QNZ NTR Qb_VT RePR VR UR NaN Q dR_QV VNaV P QaV < PR
 dR W PaV dZ R_Nb_R RePRRQ 0 dR VaR_NY dR_Z NY R _a dR_: < 32A d VUVT D UR dR
 W PaV dZ R_Nb_R NY CRYd 0 dR Qrc VR_R dNa d VU VaR_NY Sa dNa UN R

APPLICATION INFORMATION



6 baC VTR	%C ZNY Ca C
< ba baC VTR	C
: NeVbZ < ba ba0b_R a	.
d VPUVT 3_R bR Pf	& 85g
< ba bac VTR V R RNxa RNx	ZC
AN V a R R . a . YNQ dR	C ba* &ZC

AUR ba bac ~~V~~NTR V RaCf N Rea_NYR Va_QcVR_
 N Q V d ~~V~~NY N ~~V~~NaV PURZNaP
 RP ZZR QRQ _R VaN PR V 8 B R 2 bNaV
 a PNPbNaR

Table 1. R₁, R₂Value for Common Output Voltage
 (Room Temperature)

C	& 8	8
C	8	

dUR_R

- C₂₃ V dURSRQONPX_RSR_R PRc ~~V~~NTR S C

D U R R

- 6== V d U R V Q b P a _ R N X a _ R N X P b _ R a
- 9 V d U R V Q b P a N P R S V Q b P a _
- S d V d U R d V P U V T S R b R P f
- C < B A V d U R b a b a c Y N T R
- C 6 V d U R V b a c Y N T R

V P R d U R V Q b P a _ P b _ R a V R V P R N R d U d U R V b a c Y N T R d U R Z N e Z b Z V b a c Y N T R V N Y N a V V
N Y N f b R Q a P N P b Y a R d U R Z V Z b Z V Q b P a N P R _ R b V R Q B R 2 b N a V & a P N P b Y a R d U R V Q b P a N P R c N Y R

&

D U R R

- 9: 6 V d U R Z V Z b Z V Q b P a N P R _ R b V R Q
- S d V d U R d V P U V T S R b R P f
- C < B A V d U R b a b a c Y N T R
- C 6 Z N e V d U R Z N e Z b Z V b a c Y N T R
- 6 B A Z N e V d U R Z N e Z b Z 1 0 Y N Q P b _ R a
- 9 6 V P R S P R a S 6 == a 6 B A

A U R a a N Y P b _ R a S Y d V T d U b T U d U R V Q b P a _ V d U R V Q b P a _ V R P b _ R a Y d U R b a b a P b _ R a D U R R P a V T
N V Q b P a _ P U R Y d N e R Q P b _ R a R R P W Y d U R N b N a V P b _ R a Y N T R d U N Y d R N X R N a V P b _ R a N Q
: P b _ R a N Y a O R R e P R R Q R Q A U R S _ R d U R R N X d V P U V T P b _ R a S V Q b P a _ 6 = 2 . 8 N Q 6 : P N O R
P N P b Y a R Q N V 2 b N a V N Q 2 b N a V

D U R R

- 6 = 2 . 8 V d U R V Q b P a _ R N X P b _ R a
- 6 B A V d U R 1 0 Y N Q P b _ R a
- 6 == V d U R V Q b P a _ R N X a _ R N X P b _ R a
- 6 : V d U R V Q b P a _ : P b _ R a

6 c R Y N Q V T _ Y N Q a N R a P Q a V d U R V Q b P a _ R N X P b _ R a P N V P R N R b a d U R d V P U P b _ R a Y Z Y S
d U R Q R c V R d U P U V f V N Y % A U R Z a P R c N a R N _ N P U V a P U R N V Q b P a _ d U N N b N a V P b _ R a
_ N a V T T R N e R d U N % / R P N b R S d U R Z N e Z b Z 6 = 2 . 8 Y Z V R Q Q R c V R d U R Z N e Z b Z b a b a P b _ R a a U N a d U R
0 A . P N Q R Y R N Y Q R R Q d U R V Q b P a _ P b _ R a V R A U b d U R Z N e Z b Z Q R V R Q b a b a P b _ R a N Y
N S P a d U R R P a V S V Q b P a N P R A U R Z N Y R V Q b P a _ R b Y V Y N T R V Q b P a _

3_dUR ReNZ RQR V dUR / PU af QVQR V RYPRQS_Y YdR_S_dNQc YNTR N QT QdUR_ZNY
PUN_NPa_VaP P Z NRQa ZNYR_QRcVR AURaf VNYS_dNQc YNTR SaUR / V c Y Na .

AURQVQRZb aNY QR RYPRQdVUN N _ WaR dR_NaVT AURQVQR P QbPa dUR ba baPb_R aQb_VT
dUR \$aZR SaUR VaR_NY dR_dVPU AUR \$aZR SaUR VaR_NY dVPU V N \$ PaV SaUR ZNeZbZ V ba
c YNTR dUR ba bac YNTR N QdUR dVPUVT SR bR Pf AUR ba baPb_R aQb_VT dUR \$aZR V ZbYVYRQ dUR
S_dNQc YNTR SaUR QVQR a PNPhNa dUR V dN dNR b P QbPaV Y R SaUR QVQR . aUTUR_dVPUVT
SR bR PVR dURNPY R SaUR QVQR RRQa CR dNR Va NPP b a AURNPY R SaUR QVQR NR QbRa dUR
PUN_TVTN QQVPUN_TVT SaURW PaV PN NPdN PRN Q RcR_R RP cRf PUN_TR 2 bNaV Vb RQa PNPhNaR
dURa dNY dR_QV VNaV VPYQVTP QbPaV Y R N QNP Y R SaUR QVQR

AUR / QVQR UN NW PaV PN NPdN PR S 3 B VT 2 bNaV dUR a dNY V dUR QVQR Na dUR
ZNeZbZ V bac YNTR V %D

SaUR dR_b Y R Q N V VN aNZ b a SaZRNaYUaYNQPb_R a _V YR Z QR P QR_b VTN
QVQRdVPUUN NYd YNTRPb_R aN Q YUaY UTUR_S_dNQc YNTRQ_

AUSVYbNR aVaPS aRZQRd dV10 P cRa_VQVP a/b b dURRS_RV_RUR INPN NPd dV b YQUR cPS/
. 0 Pb_R aa dUR dR Qd 1010 P cRa_dURZNVdNVVTdUR10 V bac YNTR B RPN NPd_dVUYd 2
S_OaR_RS_ZN PR 0RNZ VPN NPd_dVUE E QRRPaV NRb bNY hRTR dQVQPNb RaSaUR/Yd Z Sa
2 N Q ZNYRZ RNb RP RSPR a N QdV a TY RP ZZR QRQa b RN dUR_YdR_cNYRPN NPd_RT
b3 dVU ZNY ZNTR YR a SVR_UTUSR bR Pf dVPUVT VR =YPR dUR ZNY YRPN NPd_N
PY Ra

. 3 PR_NZ VP PN NPd _Zb aORP RPaRQCRdRR /<<A V N Q D V S _ _ R _ RNaV . PR_NZ VP
PN NPd _d UE _CRaR_T_NCRQVRPaVP V RP ZZR CRQ AUR PN NPd _ U bQUNcRN C _UTUR_c YNTR
_NaVT

AUR RPaV S ba baPN NPd _d VNSPa ba bac YNTR_V RV aNCR dNRN QYNQaN R a RS_ZN PR

AUR ba ba_V RV R dWYP Z RQ Sad Na < RV FNb RQCR dUR VQbPa_Pb_R a_V RT VT dJ_bTU
dUR2 bYNTR a R_R R VaN PR2 SaUR ba baPN NPd _N QdUR dUR_V FNb RQCR dUR VQbPa_Pb_R a_V R
PUN_TVTN QQVPUN_TVT dUR ba baPN NPd _A NPURcR ZNY ba bac YNTR_V R PU RNYd 2 ba ba
PN NPd _VR PR_NZ VP PN NPd _3 PR_NZ VP PN NPd _dUR PN NPd PR Q Z VNcR dUR ba ba_V R 3 _
Z VNaV dUR ba bac YNTR_V RPN ORR aZNRQCR 2 bNaV CR VRQ

DURR

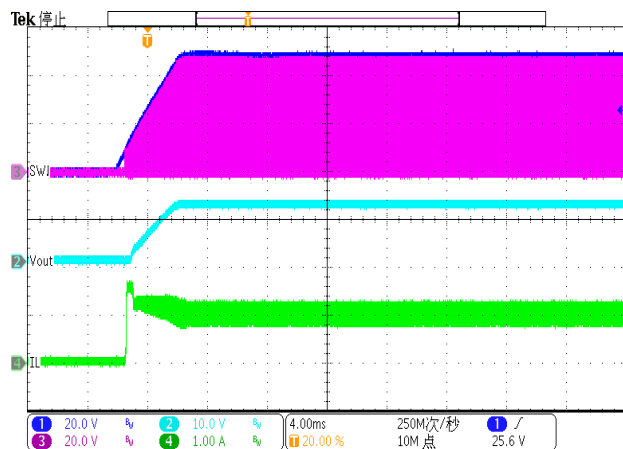
- V dUR ba bac YNTR_V R
- SD V dUR dVPUVTSR bR Pf
- 9 V dUR VQbPaN PR SVQbPa _
- 0<BA V dUR ba baPN NPd PR
- C<BA V dUR ba bac YNTR
- C6 V dUR V bac YNTR

1bR a PN NPd _ QRT_NQVT b QR_10 OM dUR OM c YNTR PN VT VFN aY RQbPR PN NPd PR 0R_NZ VP
PN NPd _PN Y R Z a SaURV PN NPd PR Na NRQc YNTR AUR RS_R RNCR ZN_TV dUR c YNTR NaVT a
R b_RNCR bNaRRSPaVR PN NPd PR Af VNY ad 3 PR_NZ VP ba baPN NPd _d XS_Z aN VNaV

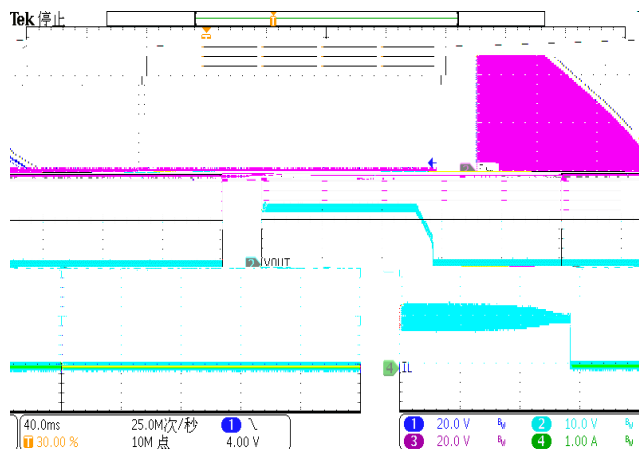
ANOR Wa d VNYcNYR SPaR_NYP Z R a S _ ZR dN QN_Q ba bac YNTR

	F				

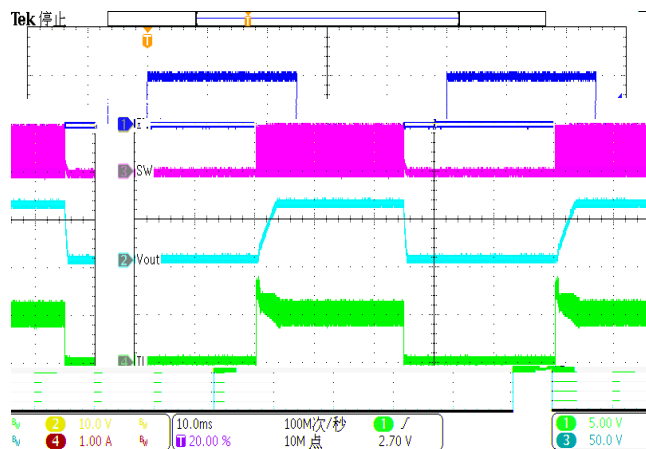
CV* %C C ba* C b R dR_d VR dRQ



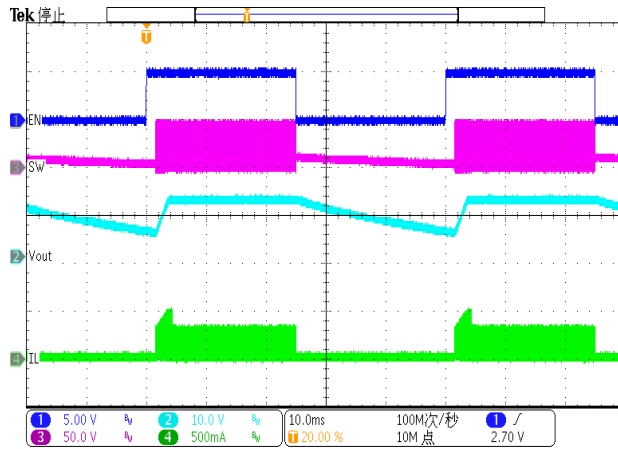
3Vb_R = dR_b 0/NQ*



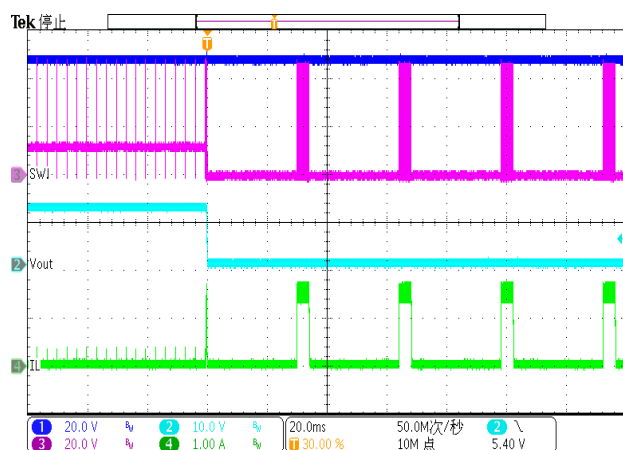
3Vb_R = dR_Q d 0/NQ*



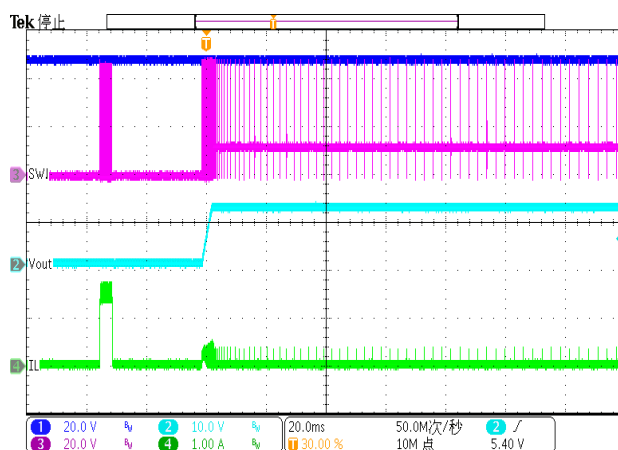
3Vb_R 2 a TTR 0/NQ*



3Vb_R 2 a TTR 0/NQ* Z.

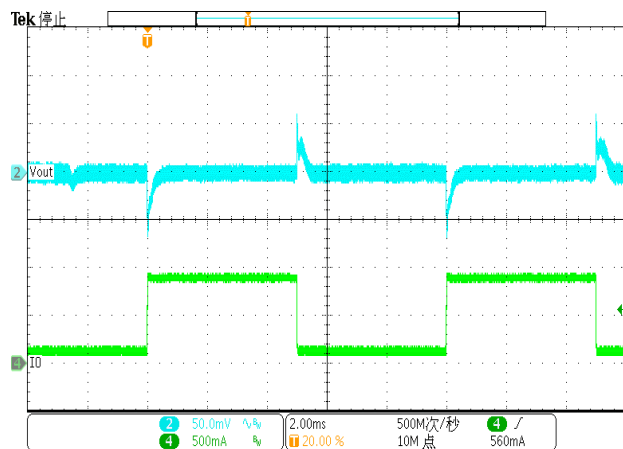


3Vb_R <cR_0b_R a=_dPaV

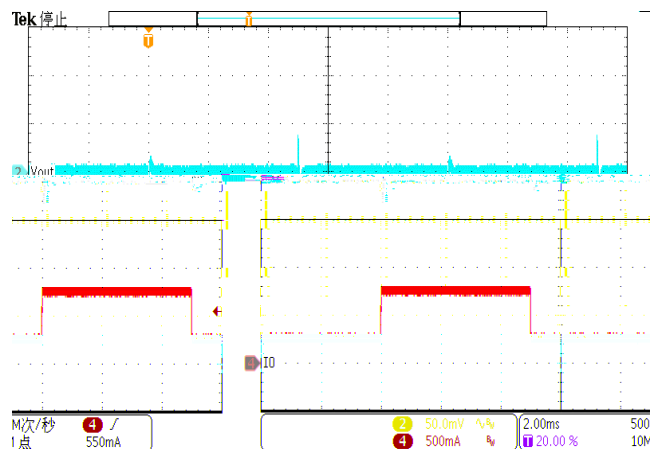


3Vb_R <cR_0b_R a R/RN R

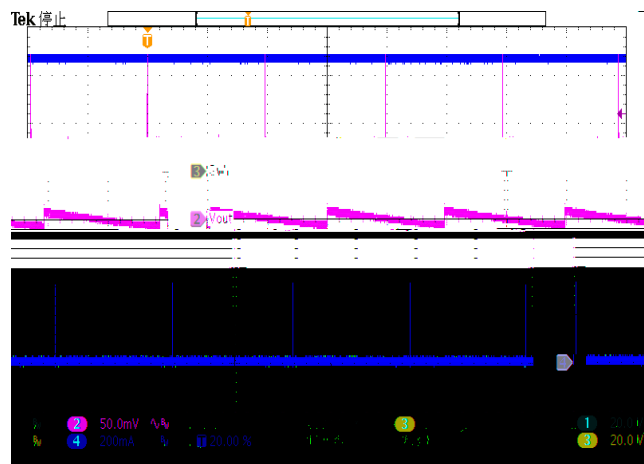
CV* %C C ba* C b R aUR_d VR aRQ



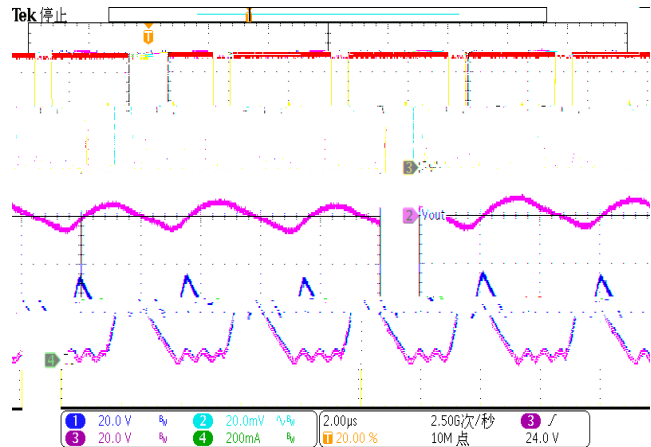
3Vb_R % 9 NQAN R a . & . b



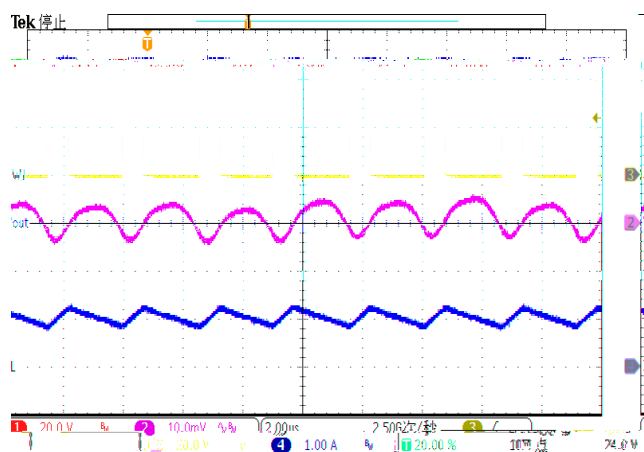
3Vb_R & 9 NQAN R a . . . b



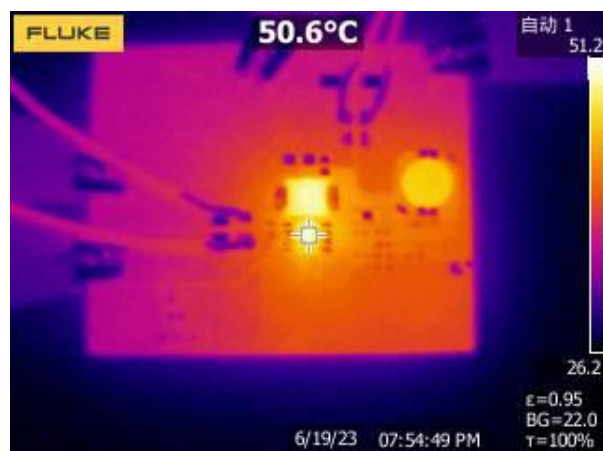
3Vb_R < ba ba V R 0/NQ*



3Vb_R < ba ba V R 0/NQ*



3Vb_R < ba ba V R 0/NQ*



3Vb_R AUR_ZNY %C6 C ba .

3 _Z _RVS_ZNaV ddd WP aR aP Z WP 0 aR aRPU YTf 0 9aQ . Yr VLa R RcRQ

=_GbPa3 YR_9VX 0A .

=_R_=0/ ~~Y~~f baVNP~~V~~PNYS_0A. ~~a~~NORNQRSS~~P~~R a RNaV AURa~~N~~PR P QbPaVTSa d~~V~~PUVT
Pb_Ra _c ~~N~~TR NRRNf a Va~~R~~NPad~~U~~ aNf VQbPN PRN Q ~~N~~N ~~V~~PN NP~~a~~PRa TR_R~~N~~R VRN Q
QRT~~N~~QR RS_ZN PR 3 _CR~~a~~R_Rb~~Y~~ S~~Y~~d d~~J~~R RTb~~Q~~R~~V~~R N CR~~Y~~d

1. = dR_T_b QVT PURZR V cRf P~~V~~PNYCR~~P~~Nb R SPN_fVT dR_d~~J~~RZNYN QTY~~U~~O b PVT VR
N ~~P~~NRQd~~V~~UPYPXSR bR Pf AUR~~a~~bZO S~~b~~YVa ZNXRT_b Qa~~N~~PR YdRa~~V~~ R QR PRN Q dR_N~~R~~
QVa~~Q~~b~~a~~QRcR ~~Y~~ =0/ b~~S~~~~P~~R a~~Y~~ ~~N~~PVTT_b QN~~R~~Nd~~W~~ aZ~~V~~Rd~~J~~RZNYN Q aPNb VT cR_URNa~~N~~RN

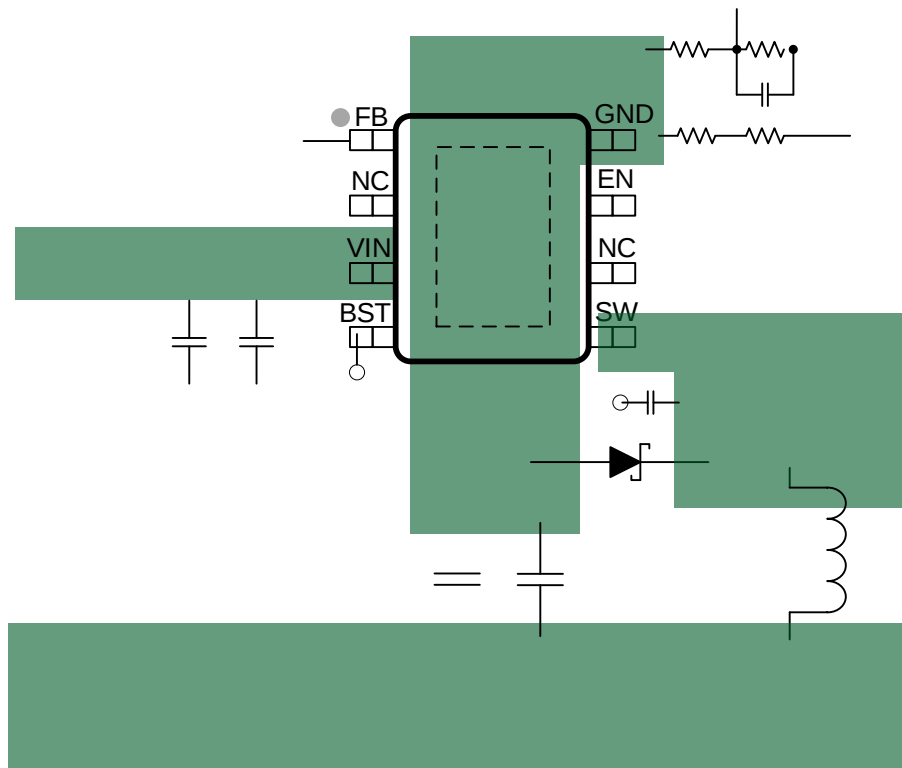
2. =~~N~~PRNYd 2 PR_NZ~~V~~PN NP~~a~~_N PY Ra C6 VN Qa~~J~~RT_b QN ~~Q~~Ra _RQ~~P~~R NN~~V~~PR~~S~~Pa

3. 3 _ RNaV Na~~S~~Y~~N~~RQYNQ d~~J~~Ra ~~Q~~RT_b QN~~R~~NZb a _c~~Q~~RNQR bNR URNa~~Q~~V VN~~a~~VTN~~R~~N : NXR
b_Ra d~~V~~PUVTY d~~U~~ dR_UNcRYdR~~V~~ R QR PR ST_b QVT

4. AUR dR_NQ
U b~~Q~~CRP RPaQa OaaZ =0/ T_b Q ~~W~~IR b VTZb~~V~~W~~R~~c~~W~~ Q~~N~~Pa~~Y~~ b QR_d~~J~~UR~~Q~~ AURPR d~~R~~_d~~J~~UR_ZNY
NQ U b~~Q~~N~~Y~~Nf CR

5. <ba baVQbPa_ U b~~Q~~CR ~~N~~PRQPY Ra d~~J~~R D V AURN~~R~~N SaUR=0/ P QbPa_ZVZ~~V~~RQa _RcR a
RePR ~~V~~RPN NP~~a~~CRP b YT

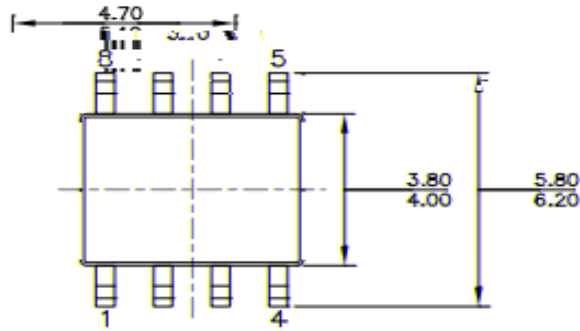
6. baR/ APN NP~~a~~_a~~N~~PR d~~J~~ROaaZ ~~W~~fR_a _c~~Q~~Rd~~Q~~R NaUS_a ~~Q~~RT_b Q



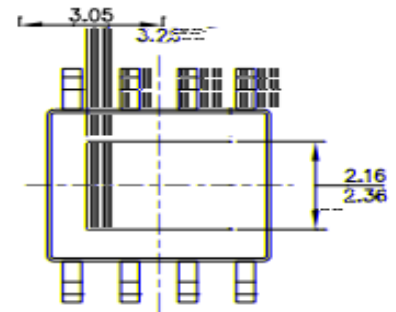
3Vb_R =0/ 9Nf ba2eNZ YR

PACKAGE INFORMATION

PACKAGE OUTLINE DRAWING FOR 8L SOP-EP POD-0022 Revision 0.0

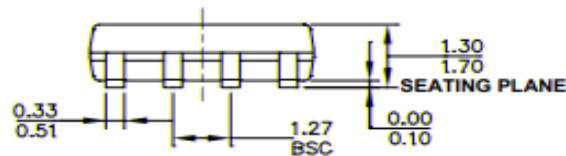


TOP VIEW



TOP VIEW

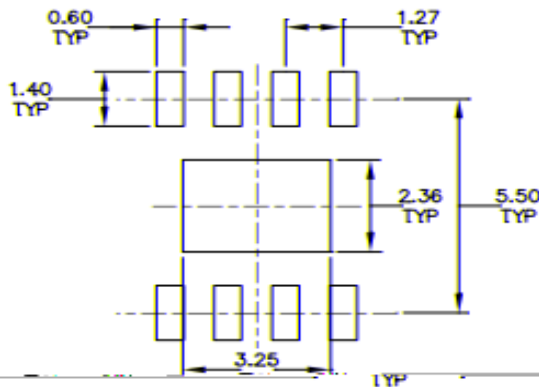
0.17
5.25



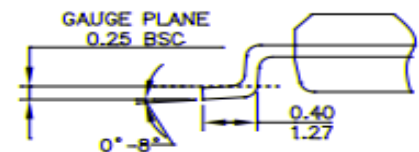
FRONT VIEW



SIDE VIEW



RECOMMENDED LAND PATTERN



DETAIL "A"

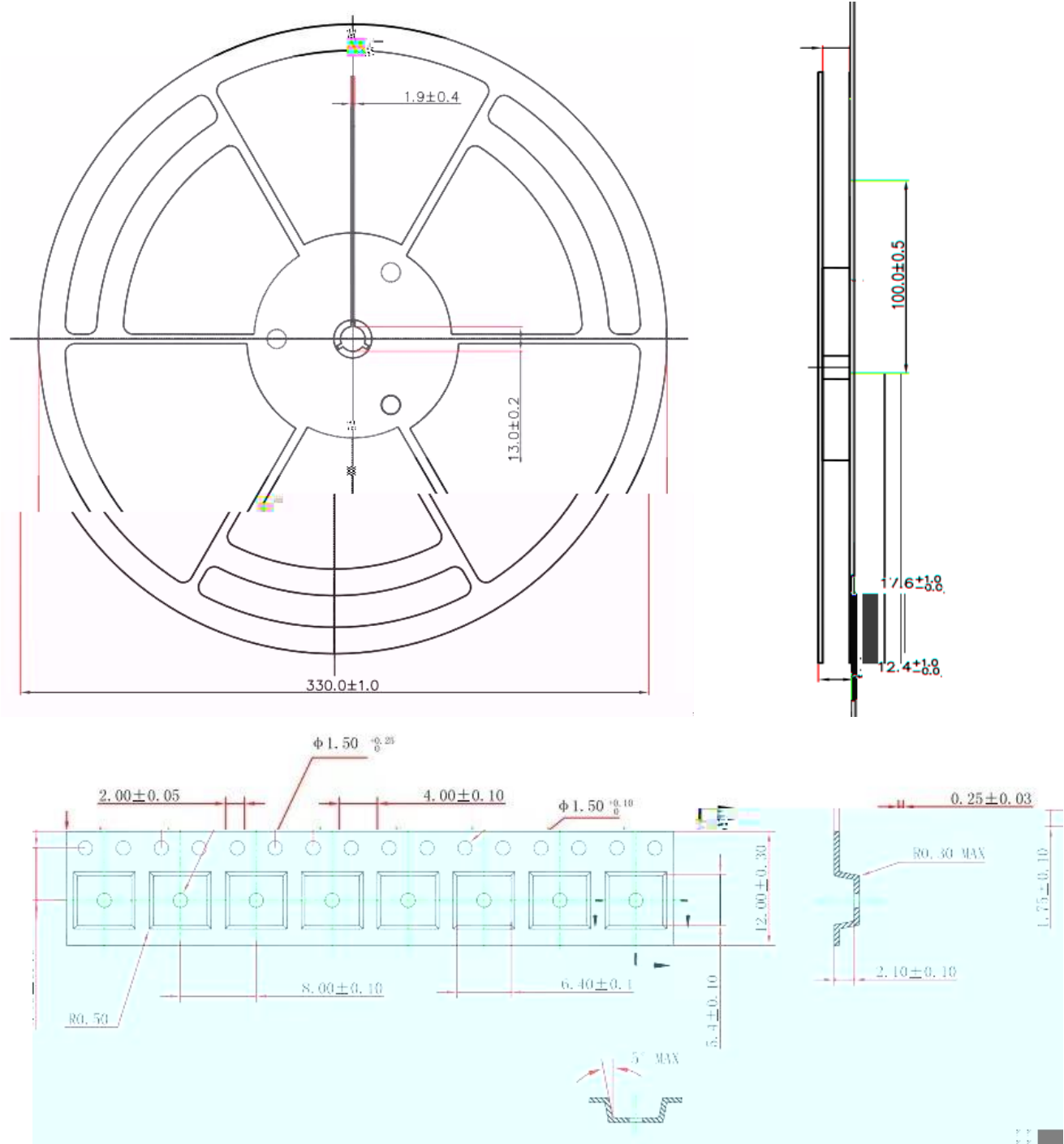
NOTE:

IRRS.

ES MAX.

- 1) CONTROL DIMENSION IS IN INCHES. DIMENSION IN BRACKET IS IN MILLIMETERS.
- 2) PACKAGE LENGTH DOES NOT INCLUDE MOLD FLASH, PROTRUSIONS OR GATE BU
- 3) PACKAGE WIDTH DOES NOT INCLUDE INTERLEAD FLASH OR PROTRUSIONS.
- 4) LEAD COPLANARITY (BOTTOM OF LEADS AFTER FORMING) SHALL BE 0.004" INCH
- 5) DRAWING REFERENCE TO JEDEC MS-012, VARIATION AA.
- 6) DRAWING IS NOT TO SCALE.

TAPE AND REEL INFORMATION



AURVS_ZNaV VdV/Q PbZR aV bOPaa PUN TRdU ba aPR B R_ U bYQdN_N aN QTbNN aPRdRaVQ
N_d 6 aPRPaNY=_ R_d VTua NR aSVSTRQb dUR VdRTNaVT VP 0 dRaARPU YTf 0A _QbPa Va N f
N YNaV 0AdW aN bZRN f RTNYR VNaV S_N f NQN YNaV