

ÙÙ	6	0
ÖPÖ	7	Öi[~}á
ÙY	8	Ü^*~ æ •, æ&Ö * [~d~c Ô[])^&cÙY d æ ^æ!)æ][, ^i ã á~&d!
V@!{ æÚæ	9	P^æáã•ã ææ}]æ@[-ãã. Ö^&dææ^ &}}^&æ} d ÖPÖ]ã. T~•cà^ &}}^&æá d *i[~}á]æ^[] ÜÖÖ+[]![]^i[]^iææ} æá[]æ ä^á c@!{ æ]^+!{ æ&.

RECOMMENDED OPERATING CONDITIONS

Uç^! []^iææ * +^^-ææ ç [^iææ|^|æ * ^ ~] ^•• [c@!, ä^] [çá

X _Q	Q] ~ cç[æ^ æ * ^	4.5	60	X
X _{UW}	U~ d~ cç[æ^ æ * ^	0.8	57	X
V _R	U]^iææ * b) &æ} ç [^iææ ^	-40	150	»Ö

ESD RATINGS

X ₀₀₀	P~{ æ Ö[á^ T [á^ (PÖT),] ^i ÖP ÜGRÖÖÖÖ-RU-001-2014 •]^&ææææ}, æ] ã •(1)	-2	+2	\ X
	Ö@æ*^á Ö^çæ T [á^ (ÖÖT),] ^i ÖP ÜGRÖÖÖÖ-RU-002-2014 •]^&ææææ}, æ] ã •(2)	-0.5	+0.5	\ X

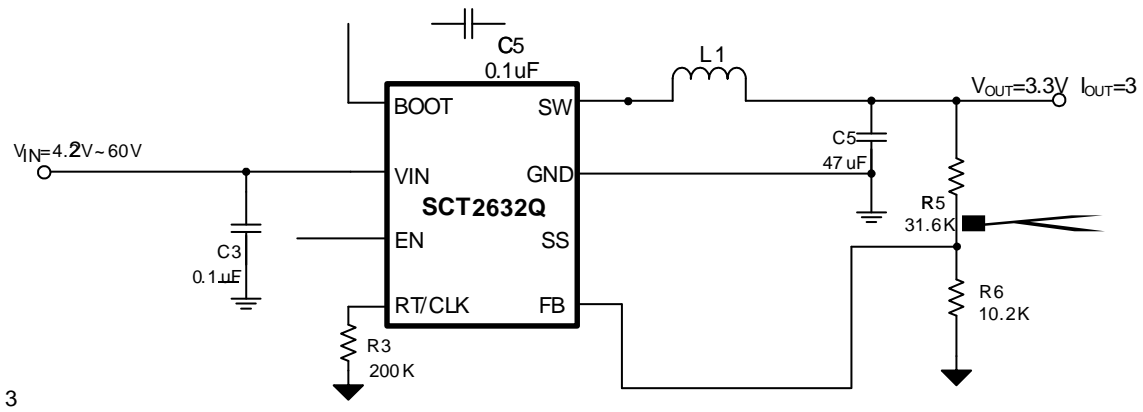
- (1) RÖÖÖÖ á[&{ ^} cRÖU155 •æ• cæ500X PÖT æ][, ••æ^ { æ~ææç |ã * , æ@æ•ææ äæá ÖÜÖ & } d[] | [&^••.
- (2) RÖÖÖÖ á[&{ ^} cRÖU157 •æ• cæ250X ÖÖT æ][, ••æ^ { æ~ææç |ã * , æ@æ•ææ äæá ÖÜÖ & } d[] | [&^••.

THERMAL INFORMATION

R' } &æ} -d -æ äã} c@!{ æ ^•ã æ&^ (•æ äæá à[æá)	42	»Ö/Y
R' } &æ} -d -d] &@ææç!ã ææ}] ææ ^ç!	5.9	



APPLICATION INFORMATION



3

Input Voltage Range	24X P[!{ æ 4.2X q 60X
Output Voltage	3.3X
Output Current	30E
Switching Frequency	500 SP:
Inductor Value	16.5{ X
Output Capacitor Value	a X{ c= 160{ X
Feedback Resistor R5	5.73X
Feedback Resistor R6	4.045X

V@]^æ-ð-]^æ |ð] |^ & ||^} cð @ ð á~ & ð | @ ð á~ & ð |æ^á æ ð Ò~ æð } 11.

(11)

Y @|^

Qúú æ @ ð á~ & ð |]^æ-ð-]^æ & ||^} c
S æ @ ð á~ & ð | [~ð á~ & ð |
~y æ @ •, æ&ð * ÷^~^} &
Xúw æ @ [ð~ cð |æ^
X æ @ ð]~ cð |æ^

Úð & @ ð á~ & ð | -& ||^} c |ð] |^ ð & ^æ^ •, æ@ @ ð]~ cð |æ^, • [@ { æð ~ { ð]~ cð |æ^ ð æ } |ææð } æ æ, æ • ^á ð & ð |æ^ @ { ð ð ~ { ð á~ & ð | ^~ ð^á. W^ Ò~ æð } 12 ð & ð |æ^ @ ð á~ & ð |æ^ & ð ç^.

(12)

Y @|^

Sæ æ @ { ð ð ~ { ð á~ & ð | ^~ ð^á
~. æ @ •, æ&ð * ÷^~^} &
Xúw æ @ [ð~ cð |æ^
Xæ(æ) æ @ { æð ~ { ð]~ cð |æ^
Qw(æ) æ @ { æð ~ { Ò Ò || æ & ||^} c
Sú æ & ^~æ} c [~Qú ð Qw

V@ ð æ & ||^} c |, ð * @ [~ @ @ ð á~ & ð | æ @ ð á~ & ð | |ð] |^ & ||^} c |] • @ [ð~ c & ||^} c Y @ } • ^á & ð * æ ð á~ & ð |, & ð [•^ æ |æ^á & ||^} c ^ • ^á æð @ • æ |ææð } & ||^} c |æ^ ^á @ æ æ]^æ [] ^á æð } & ||^} c æ á ÚTÚ & ||^} c æ [] [c^á ^æ^á^á. V@]^æ-ð-]^æ @ ð á~ & ð |, @]^æ •, æ&ð * & ||^} c [~ð á~ & ð |, @úúú æ á @ÚÚú æ á^ & ð |æ^á æ ð ^~ æð } 13 æ á^~ æð } 14.

(13)

(14)

Y @|^

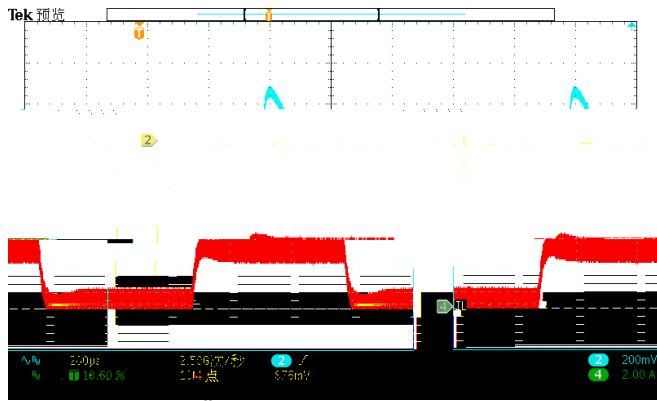
Qúúú æ @ ð á~ & ð |]^æ & ||^} c
Qw æ @ Ò Ò || æ & ||^} c
Qúú æ @ ð á~ & ð |]^æ-ð-]^æ & ||^} c
@ÚÚú æ @ ð á~ & ð | ÚTÚ & ||^} c

Q [ç^ | |æð * [| |æð æ • æ } c & | } áæð } •, @ ð á~ & ð |]^æ & ||^} c & ð ð & ^æ^] ð @ •, æ&ð & ||^} c |ð æ [~ @ á^çæ^, æ&ð ç |ææð 5.2CE V@ { [• c & | } • ^á çææ^ æ] | |ææð ð & ð [•^ æ ð á~ & ð |, æ@æææ |ææð } & ||^} c |ææð * ^áæ^ @ æ 5.2CE Óææ^ [~ @ { æð ~ { Qúúú ð æ^á á^ á^çæ^, @ { æð ~ { [ð~ c & ||^} c @æ@ ÚÓV2632Ú æ æ á^æ^ æ [á^] á^ [] @ ð á~ & ð | & ||^} c |ð] |^ V@ •, @ { æð ~ { á^á^ [ð~ c & ||^} c æ [æ^æ @ • ^á & ð] [~ð á~ & ð |æ^ V@ • { æ^á ð á~ & ð | |^~ | ð |æ^ ^á ð á~ & ð | & ||^} c |ð] |^ |ææð * ð æ [, ^ { æð ~ { [ð~ c & ||^} c

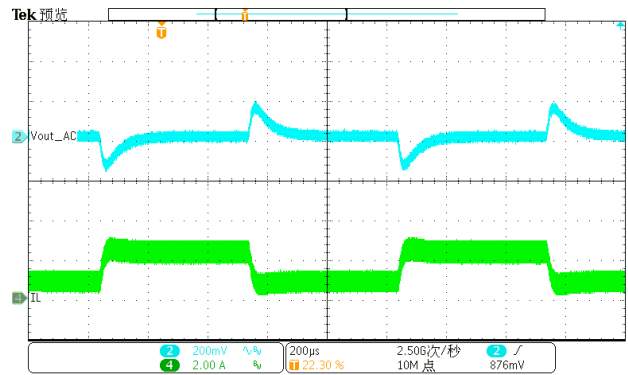
V@ ÚÓV2632Ú]^æ-ð-]^æ æ ^æ^ } æ ææ&@áð á^ á^çæ^ @ ÚY] ð æ á ÓPÓ. V@ • ^á & ð á^ á^ { ~ c @æ^ æ]^æ^ • ^á ç [|æ^ |ææð * ^~ æð [] ^áæ^ @ æ Xæ(æ). V@]^æ & ||^} c |ææð * [~ @ áð á^ { ~ c á^ ^áæ^ @ æ



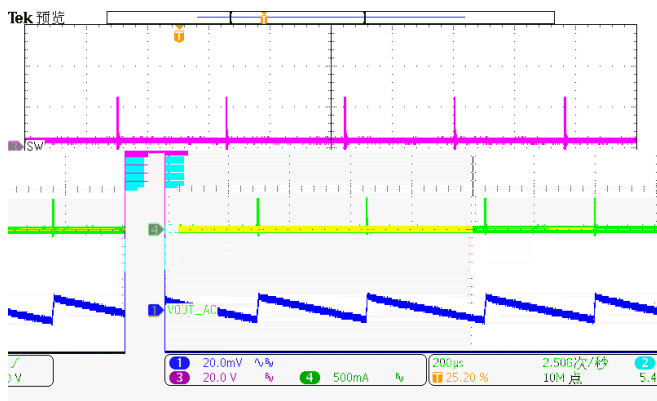
$X_{\dot{a}} = 24X$, $X[\sim c = 3.3X, \sim] | \wedge \bullet \bullet [@ \! , \bar{a} \wedge] [\text{c} \dot{a}$



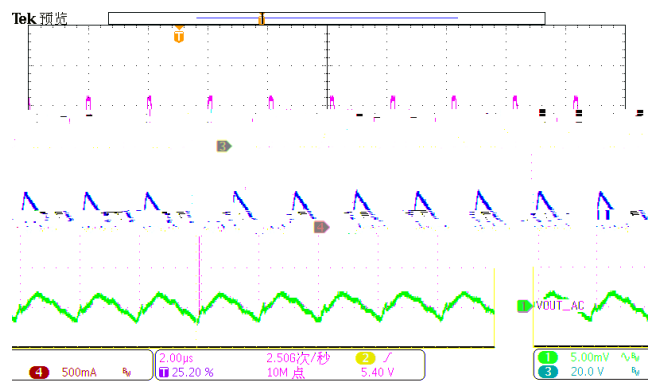
Øã ~ | ^ 18. Š [ã V i ã) • ð) c (0.30E2.70E 1.60E •)



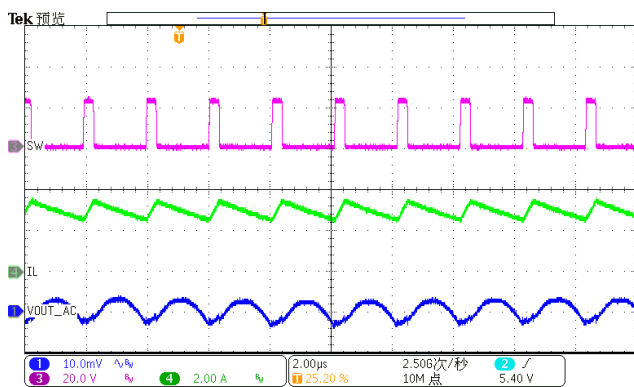
Øã ~ | ^ 19. Š [ã V i ã) • ð) c (0.750E2.250E 1.60E •)



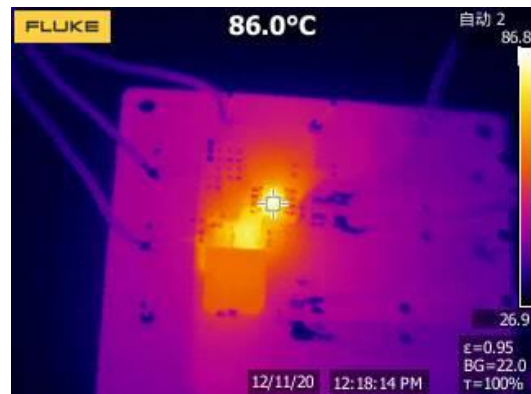
Øã ~ | ^ 20. U ~ d ~ cÜã] | ^ (Q ã = 00E)



Øã ~ | ^ 21. U ~ d ~ cÜã] | ^ (Q ã = 100E)



Øã ~ | ^ 22. U ~ d ~ cÜã] | ^ (Q ã = 30E)



Øã ~ | ^ 23. V @ ! { ã , 24X @ , 3.3X [~ c 30E

TAPE AND REEL INFORMATION

Úíà^íàèí^ Ö^çã^ ÚÓV2632ÚUVÖÜ	Úã&æ^V] ^ ÖUUÜ	Úã• 8	ÚUU 4000
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