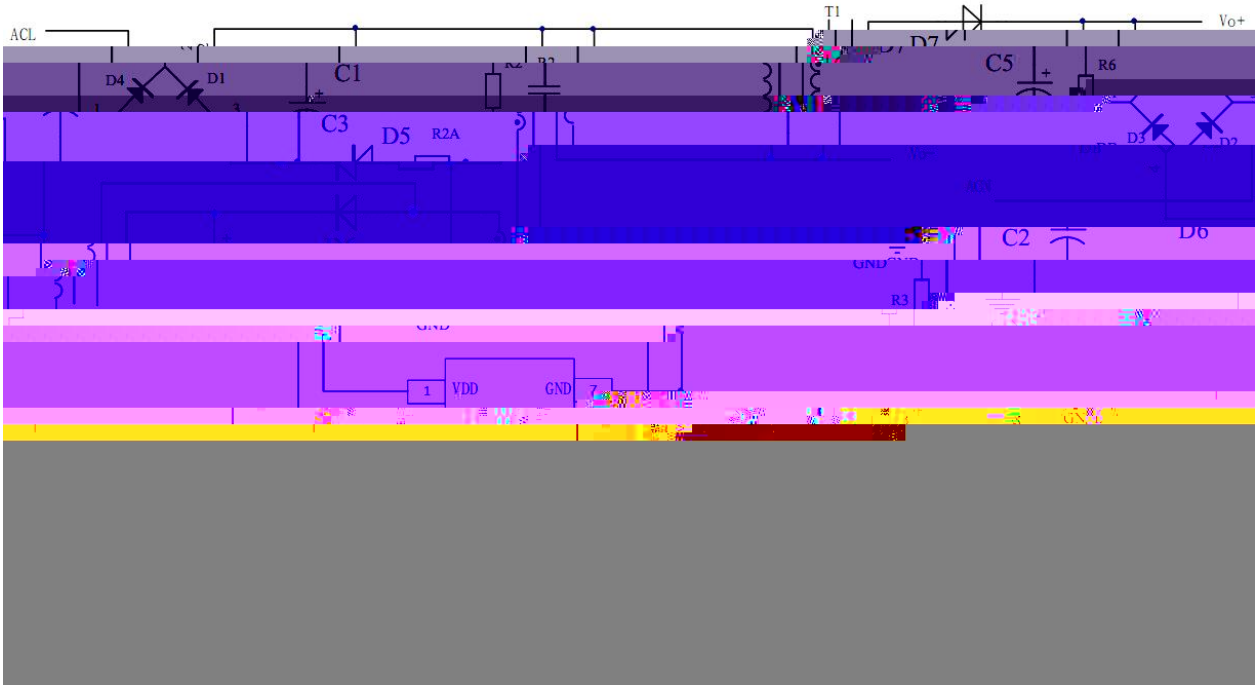


!"#$%&!'()*+##########################################################################

| | | | | | |
|---|---|---|---|---|---|
| | | | | | |

A 6/16 ALL YC-

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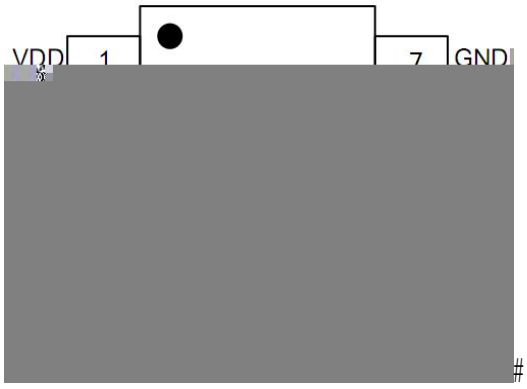


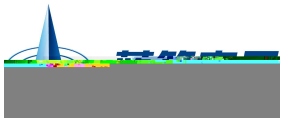

#

#

| # | # | # |
|---|---|---|
| 1 # | VDD# | # |
| 2 -3# | FB # | # |
| 4 # | CS # | # |
| 5-6 # | D # | MOS # |

7 # n =

!"#$%&!'()*+##########################################################################

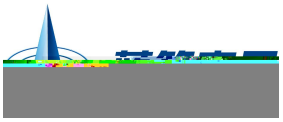




#

| | | | | | | |
|---|---|---|---|---|---|---|
| # | | | | | | |
| ;-:5-'%.#6%55 &-#@&-7#NEE#.@&# | $9_{NEEa3}$# | # | # | (# | (H# | %"## |
| b%@ 36 &-#6%55 &-#@&-7#NEE#.@&# | $9_{b}$# | # | # | )!H# | *# | 8"# |
| <. 5:-@7&#M%55 &-# | $9_{NEEa<.}$# | $N_{[D}$c*!*N@#<br>NEEc*\N# | )!G# | )!># | )!+# | 8"## |

NEE#¥&J 5#N7?-:B #S76



!"#$%&!'()*+#########################################################################

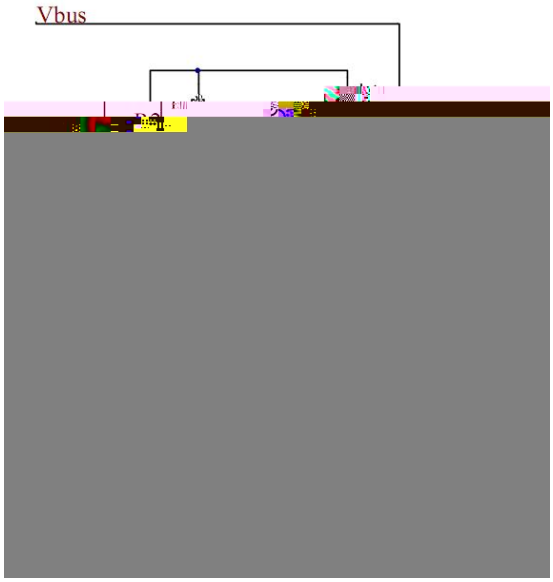
#

,--./00111!2345 6!678# # # # #0#

BRAD6315DSA DCM

BRAD6315DSA 2uA IC
VDD
16.3V BRAD6315DSA 1mA VDD

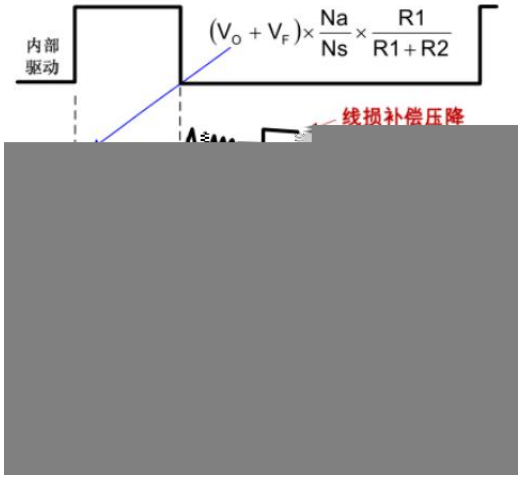
BRAD6315DSA 0.5mA




**PSR-CVM**

. 2 BRAD6315DSA CV
VF

2V



#

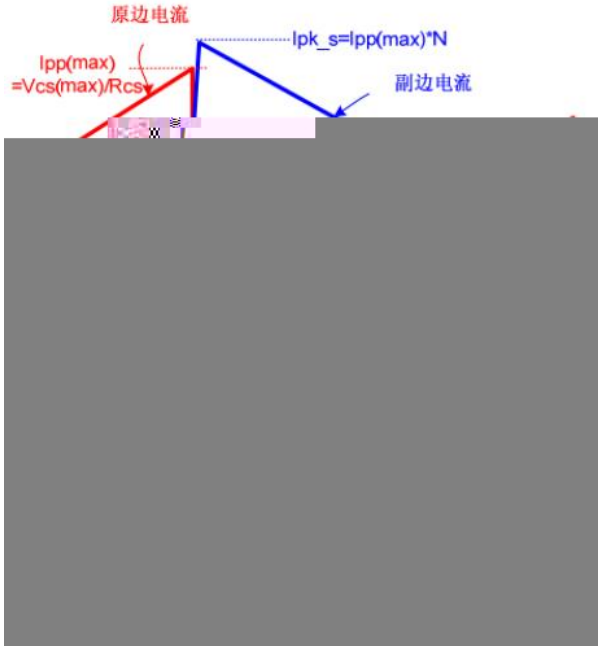
BRAD6315DSA FB 2
FB 2 FB

$$V_{FB} = (V_O + V_F) \times \frac{Na}{Ns} \times \frac{R1}{R1+R2}$$

Vo VF R1 R2 FB
Ns Na
FB 2V

**PSR-CCM**

FB CS 3




3 Tdem Tsw
3

VDD BRAD6315DSA
Tdem Tsw 1/2

$$I_{OUT} = \frac{1}{2} \times N \times \frac{500mV}{Rcs(\Omega)} (mA)$$

N----
Rcs--- MOS GND

#

4 BRAD6315DSA AM
FM

70mW

**CDC**

,

5 BRAD6315DSA

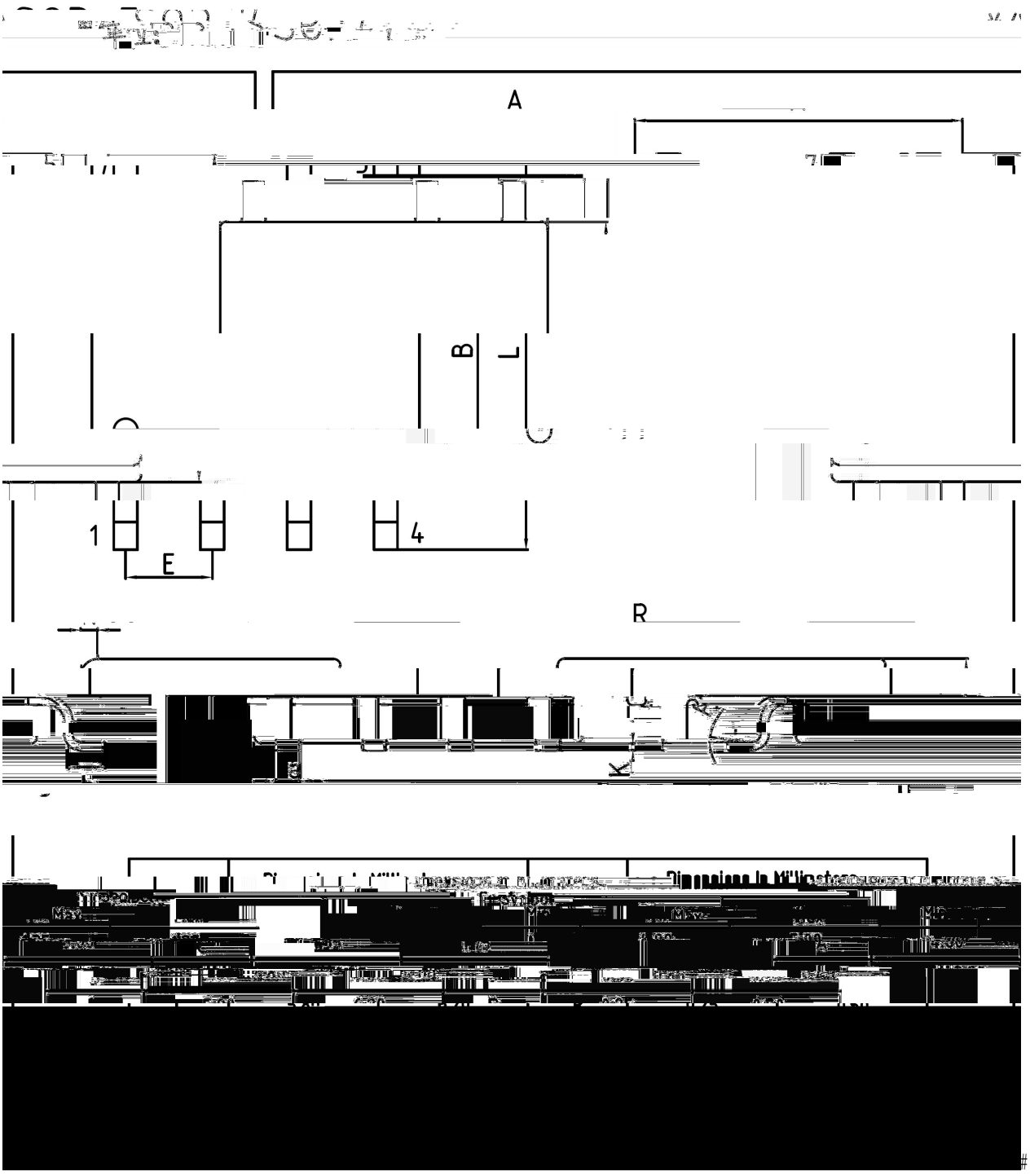
FB

, FB

R1 R2

!"#$%&!'()*+##########################################################################

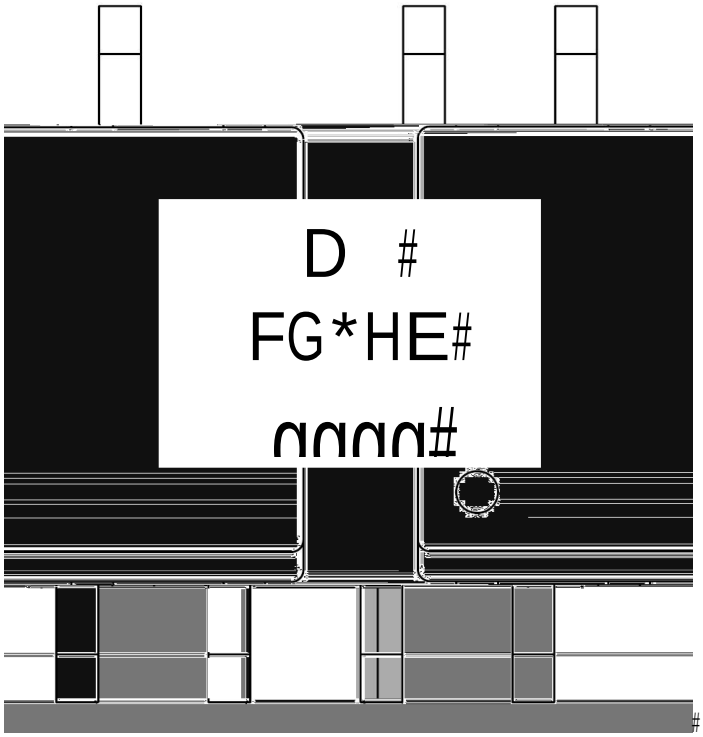
,--./0011!2345 6!678# # # # #0#


A
B
L
1
E
4
R

!"#$%&!'()*+#########################################################################

#

#




#

#

#

BR

6315D

****:

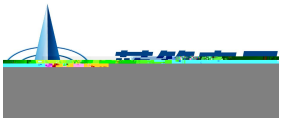
#

^7- #

D # # M78.:&I#M7J #

FG*HE ## =57J%6-#XI.#

gggg/## # S7-#^7!M7J C67J #6,:&B #1⇩-,#S7-#^7#



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#

## Temperature Profile for IR Reflow Soldering(Pb-Free)

| |
|---|
| |
| |
| |
| |
| |
| |

# # # # # # # # # # # ^7- /#

* *H) *\) F) +)3 6h# # # *!=5 , :-i&B/*H)i*\)℃#Xi8 /F)i+)3 6!#

( (QH±H H±)!H3 6h# # (!= :A#X 8.!/(QH±H℃#E%5:-i7&/H±)!H3 6!#

G ( *)℃03 6!# # # # G!M77?i&B#;. J/#(i*)℃03 6!#

#

#

(F)±H℃# # *)±*#3 6!## # # X 8.!/(F)PH℃# # Xi8 /*)P*#3 6#

#

##0## WWS#

| | | | |
|---|---|---|---|
| =:6A:B #XI. # | Y&i-3# # | Ei8 &3i7&# | K%&i- 88GL# |
| # | Y&i-30 ?# ?30%&& 5#D7 | | |

只0卷盘