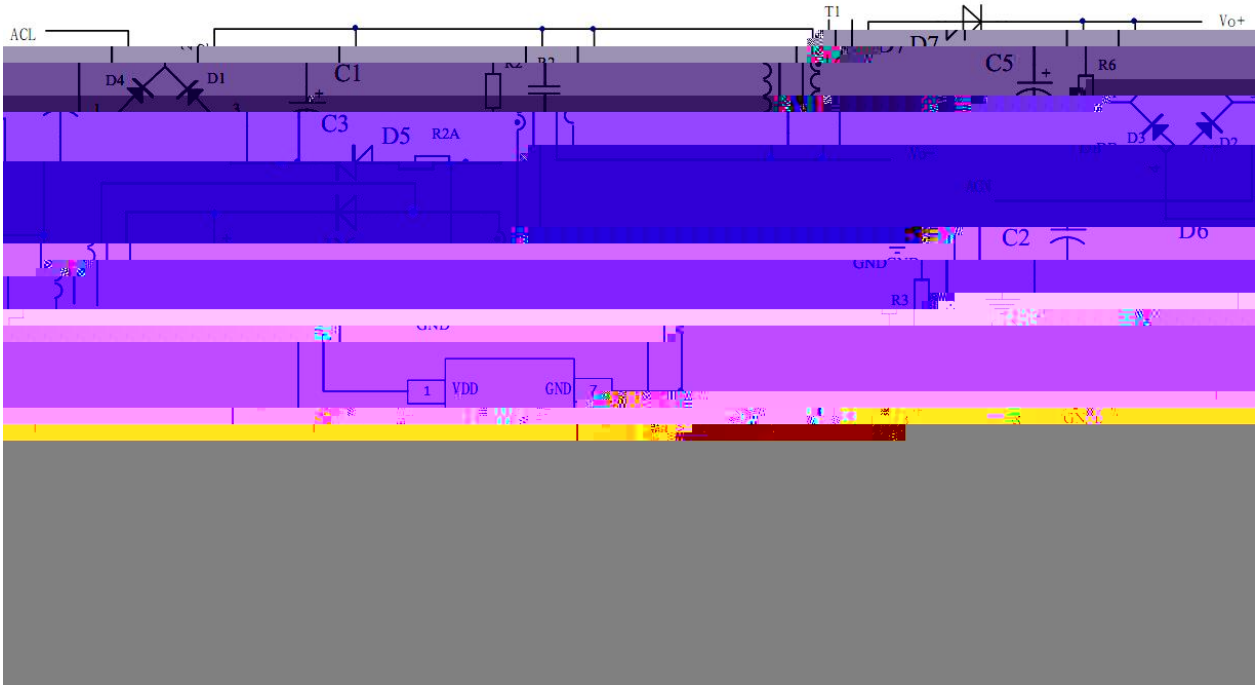


!"#$%&!'()*+##

A 6/16 ALL YC-



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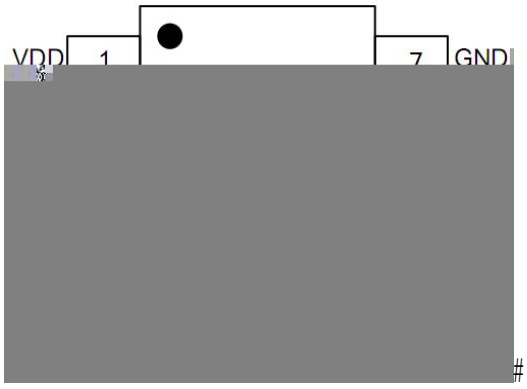


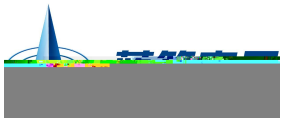
#

#

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

7 # n =

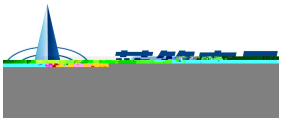
!"#$%&!'()*+##



#

#						
;-: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@# NEEc*\N#	)!G#	)!>#	)!+#	8"##

NEE#¥&J 5#N7?-:B #S76



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

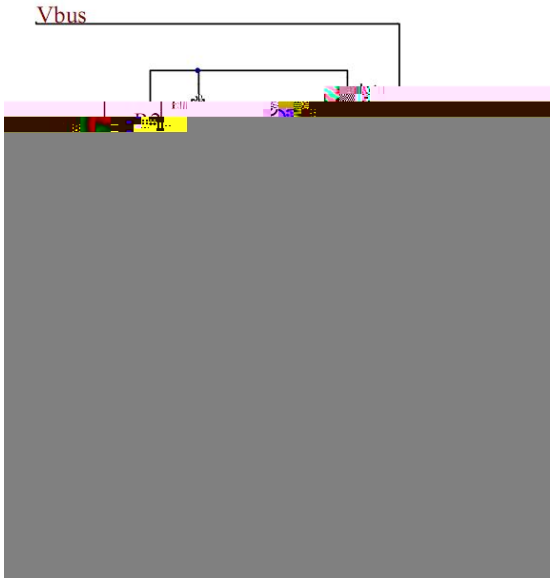
#

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

BRAD6315DSA DCM

BRAD6315DSA 2uA IC
VDD
16.3V BRAD6315DSA 1mA VDD

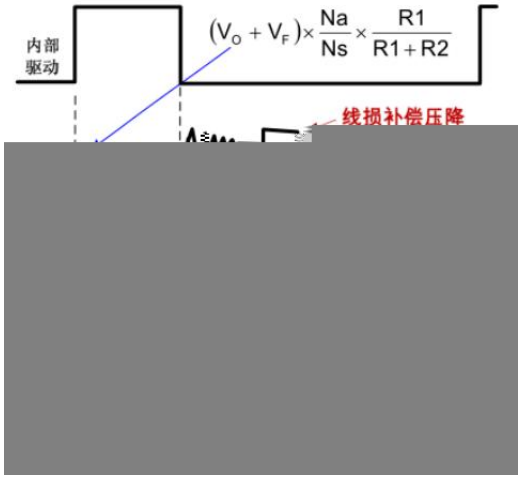
BRAD6315DSA 0.5mA



PSR-CVM

. 2 BRAD6315DSA CV
VF

2V



#

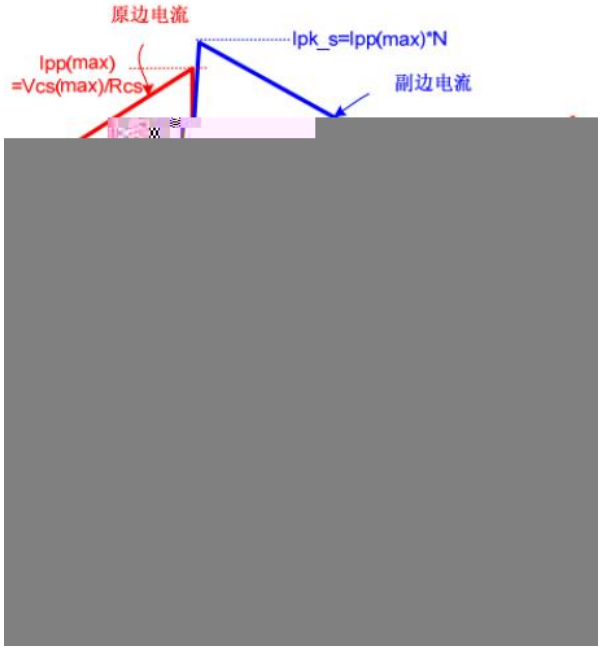
BRAD6315DSA FB 2
FB 2 FB

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

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

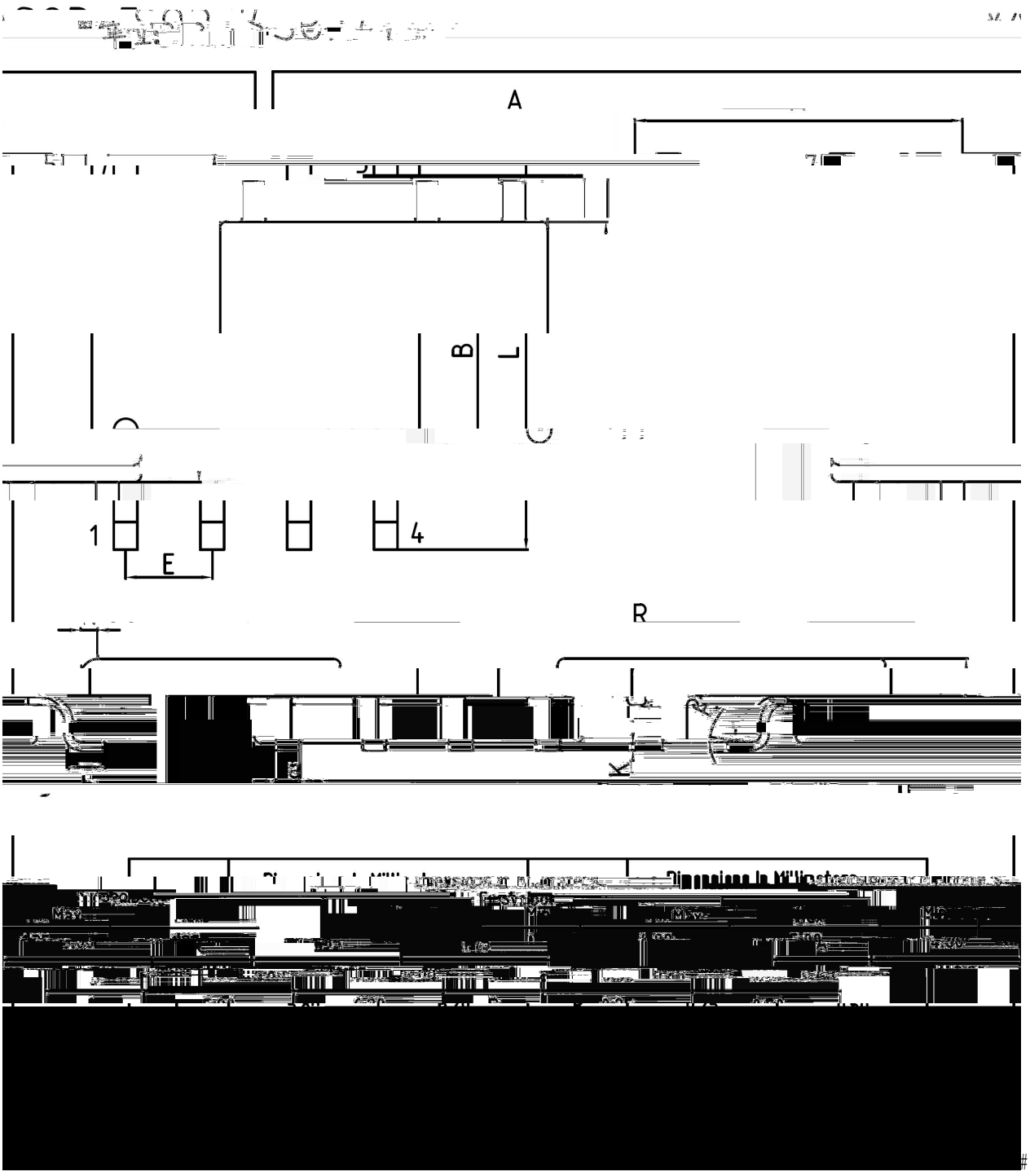
FB

, FB

R1 R2

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

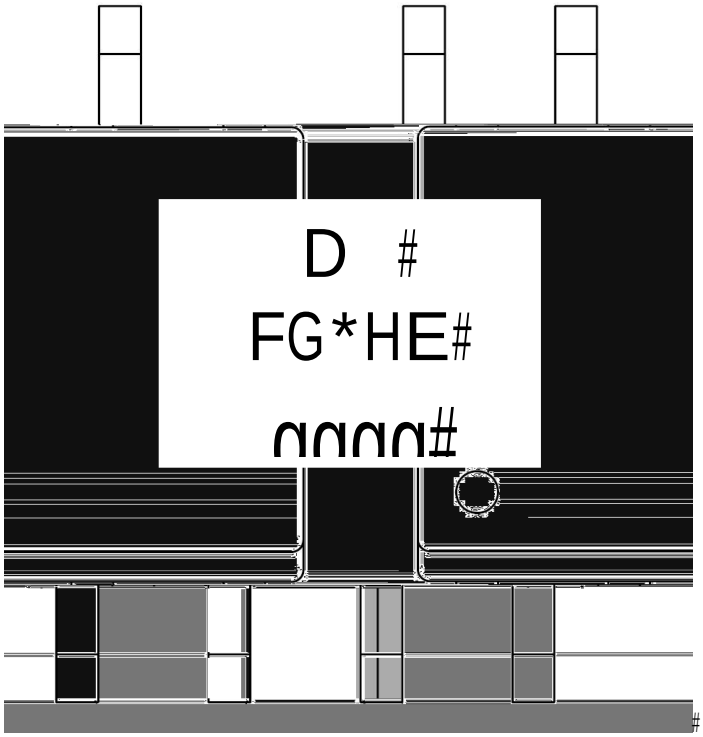
,--./0011!2345 6!678# # # # #0#


A
B
L
1
E
4
R

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

#

#



#

#

#

BR

6315D

****:

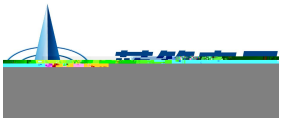
#

^7- #

D # # M78.:&I#M7J #

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

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



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

#

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