



/ Revised record

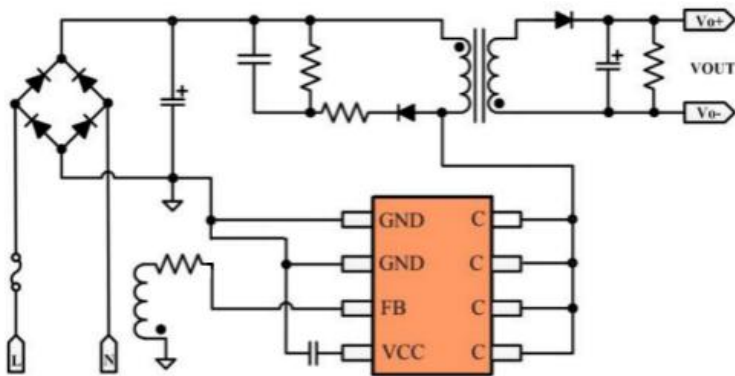
A	2022-3-31				

/ Descriptions			
BRAD6265DSC		PWM	
	BRAD6265DSC		
	CC/CV		
90V~264V			
			BRAD6265DSC
	UVLO	OTP	OCP
FB			

/ Features			
◆			
◆			
◆	FB		
◆		TL431	
◆			
◆			
◆			
◆			
◆			
◆			
◆	FB		
◆			
◆			
◆	SOP-8		

/ Applications			
◆			
◆	LED		
◆			
◆		RCC	

/ Application Circuit





Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
	T_{LEB}			300		ns
	I_{PMAX}		300	330	360	mA
FB						
	V_{FB_REF}			1.2		V
	V_{FB_SHORT}			0.5		V
	T					

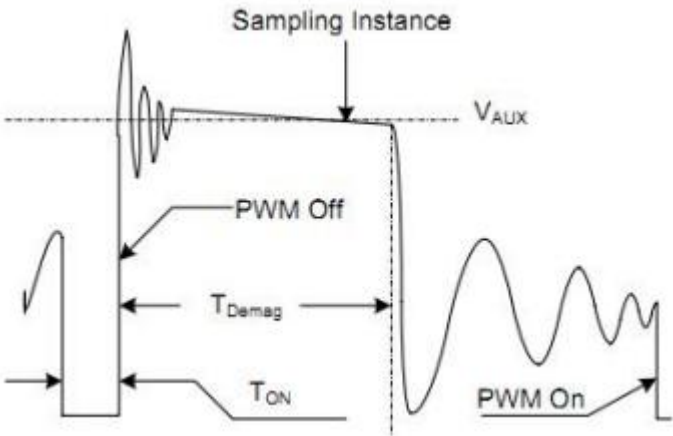
/ Functional Description

BRAD6265DSC		PWM
	BRAD6265DSC	
	CC/CV	
90V~264V		TL431
/		
BRAD6265DSC	CC	
	CV	FB
FB		
BRAD6265DSC	CC/CV	DCM
		I _p

$$= \frac{V_{AUX}}{V_{FB}} \times \frac{1}{1 + \Delta}$$

$$= \frac{V_{AUX}}{V_{FB}} \times (1 + \Delta)$$

Δ



1

FB GND

FB

BRAD6265DSC
Vo.

$$= \left(\frac{R_{FBH}}{R_{FBH} + R_{FBH}} \right) \times \left(\frac{I_{FB}}{I_{FB}} \right) - \left(\frac{N_P}{N_S} \right) \times \left(\frac{N_{AVX}}{N_{AVX}} \right) \quad 3$$

$$= \left(\frac{R_{FBH}}{R_{FBH} + R_{FBH}} \right) \times \left(\frac{I_{FB}}{I_{FB}} \right) - \left(\frac{N_P}{N_S} \right) \times \left(\frac{N_{AVX}}{N_{AVX}} \right) \quad 4$$

R_{FBH} FB I_{FB} FB N_P N_S N_{AVX}
 I_{COMP} FB ($I_{COMP}=0$) V_D

CC
CC

$$= - \times \times \quad 5$$

BRAD6265DSC

/ Functional Description

BRAD6265DSC

1 FB 2 FB

BRAD6265DSC I_PMAX

BRAD6265DSC

UVLO VCC OTP VCC OCP VCC

PCB

BRAD6265DSC PCB

GND PCB CS GND PCB

VCC 2.2uF X7R ≥6.3V 4.7uF/10V VCC
VCC GND , VCC VCC

FB FB FB

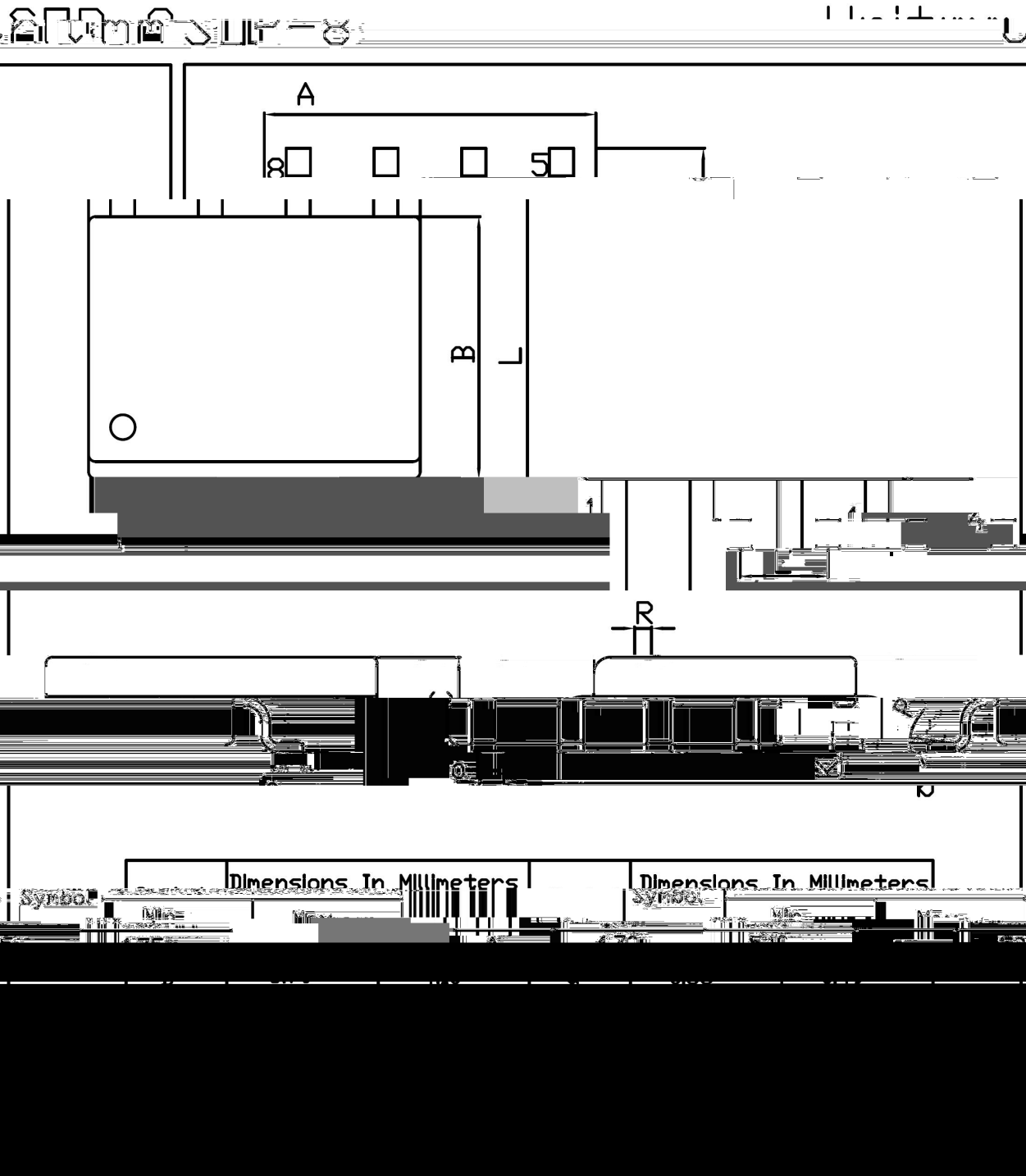
C C ; C

EMI

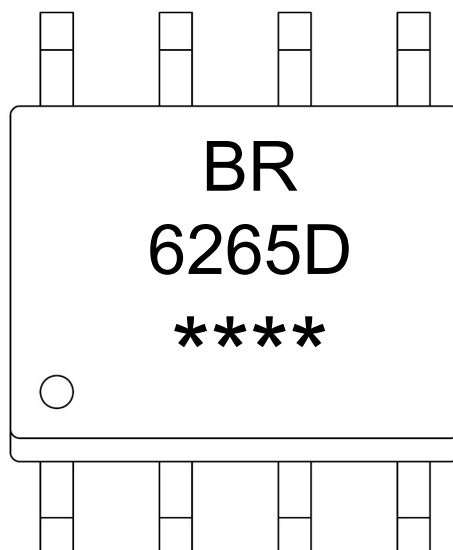
VCC VCC VCC>3.3V

☐ **I** **M**

/ Package Dimensions



/ Marking Instructions



BR

6265D

****:

Note

BR

Company Code

6265D

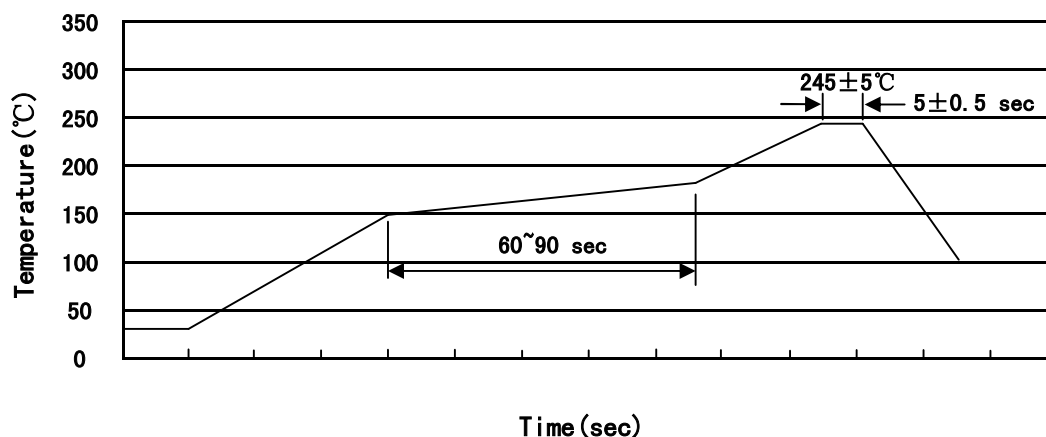
Product Type

****:

Lot No.Code,code change with Lot No



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



Note:

- | | | | |
|---|-------------|-----------|--|
| 1 | 150 180 | 60 90sec; | 1.Preheating:150~180°C, Time:60~90sec. |
| 2 | 245±5 | 5±0.5sec; | 2.Peak Temp.:245±5°C, Duration:5±0.5sec. |
| 3 | 2 10°C/sec. | | 3. Cooling Speed: 2~10°C/sec. |

/ Resistance to Soldering Heat Test Conditions

260±5°C 10±1 sec. Temp.:260±5°C Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
SOP-8	4,000	2	8,000	6	48,000	13" ×12	360×360×50	380×335×366

/ Notices