

SOP-7 ,BRAD6225SA PSR PWM
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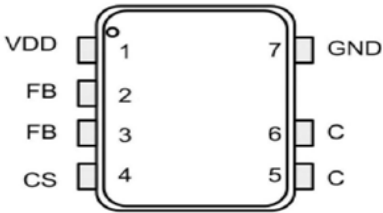
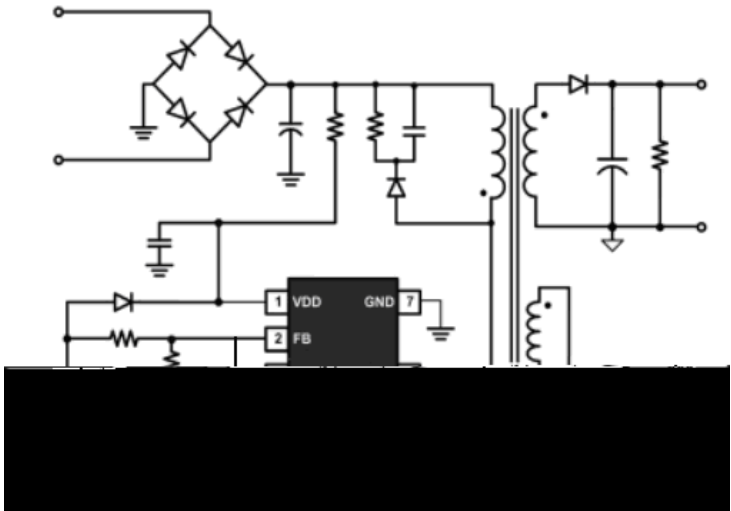
In a SOP-7 Plastic Package ,BRAD6225SA is a high performance Primary Side Regulation (PSR) PWM power switch with high precision CV/CC control ideal for charger applications.

800V BJT Built-in 800V Power BJT.
 PWM/PFM Multi-Mode PWM/PFM Control.
 Fast Dynamic Response.
 Built-in Dynamic Base Drive.
 Audio Noise Free Operation.
 $\pm 5\%$ $\pm 5\%$ CC and CV Regulation.
 75mW Low Standby Power<75mW.
 Programmable Cable Drop Compensation (CDC) in CV Mode.
 AC Built-in AC Line & Load CC Compensation.
 SLP OCP LEB
 OTP VDD
 Build in Protections: Short Load Protection(SLP) Cycle-by-Cycle Current Limiting(OCP)
 Leading Edge Blanking(LEB) On-Chip Thermal Shutdown(OTP) VDD OVP & UVP & Clamp.
 QR Quasi-Resonant mode of operation
 Halogen-free Product.

Battery Chargers for Cellular Phones.
 AC/DC LED AC/DC Power Adapter and LED Lightings.

	230V	
BRAD6225CSA	7W	SOP-7
BRAD6225DSA	5W	SOP-7
BRAD6225ESA	3W	SOP-7

/ See Marking Instructions.



1	VDD	P	
2 -3	FB	I	
4	CS	I	
5-6	C	P	BJT
7	GND		

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Maximum Cable Drop Compensation (CDC) Current	I _{Cable_max}			45		uA
CS Input Leading Edge Blanking Time	T _{LEB}			350		ns
Minimum overcurrent protection threshold	V _{TH_OCPmin}			500		mV
Maximum overcurrent protection threshold	V _{TH_OCPmax}			550		mV
Collector-Base Breakdown Voltage	V _{CBO}		800			V

BRAD6225SA (PSR)

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VDD

VDD

BRAD6225SA BJT
BJT

BJT FB FB 2/3
2.0V

BRAD6225SA VFB CS CS CS

BRAD6225SA FB

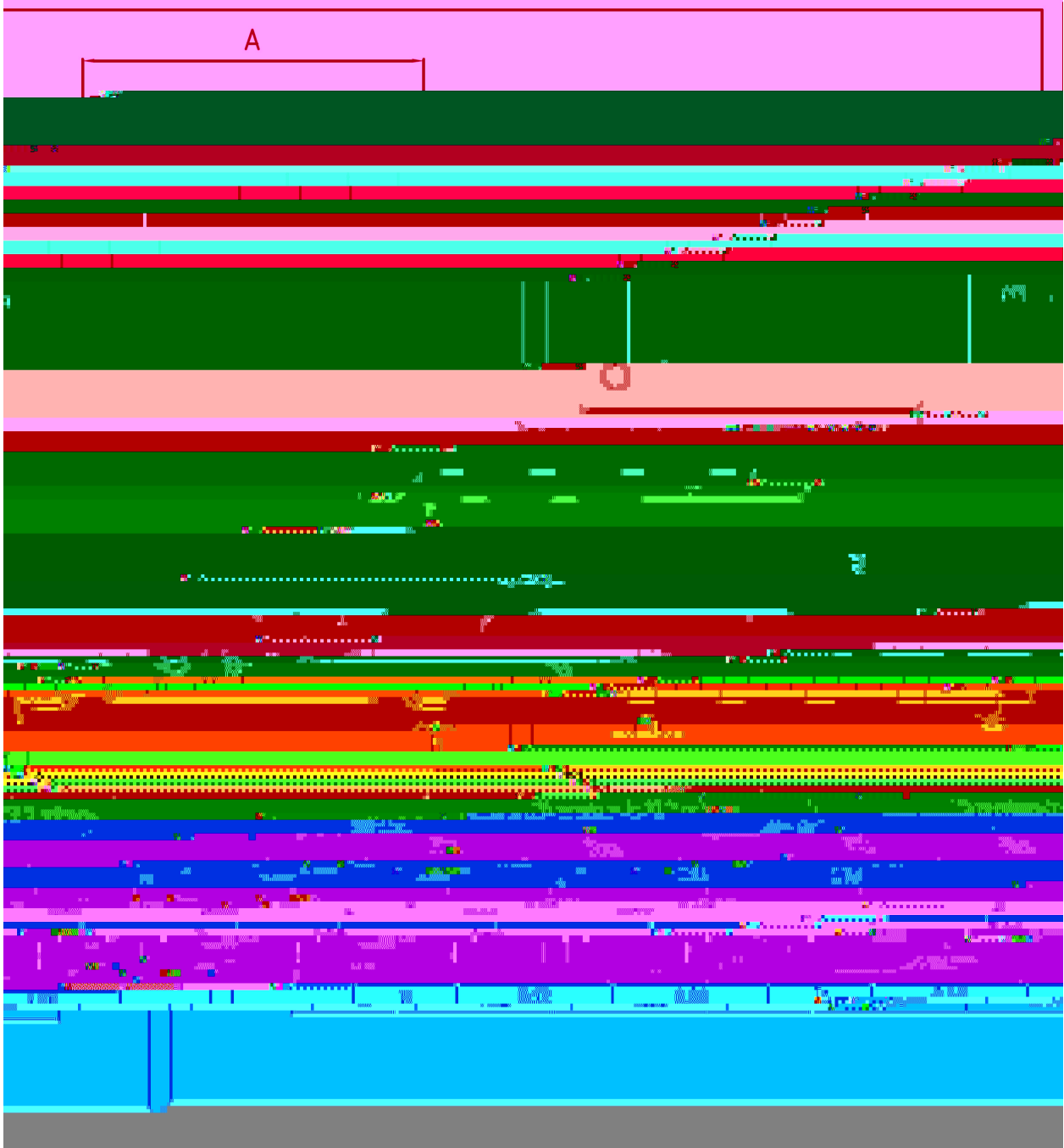
FB

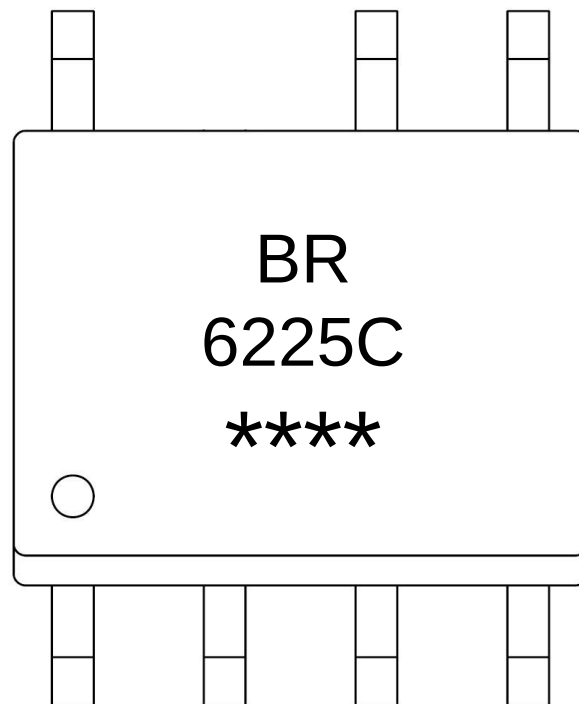
150

BRAD6225SA

SOP-7

单位: mm





BR
6225C 6225D 6225E
****:

Note

BR	Company Code
6225C	Product Type, or 6225D , or 6225E
****:	Lot No.Code,code change with Lot No.

Temperature Profile for IR Reflow Soldering(Pb-Free)

