

KBU8005~KBU810

Rev.C Feb.-2015

/ Descriptions

50V~1000V 8.0A KBU

Silicon Bridge Rectifiers, Reverse Voltage:50to1000V,Forward Current:8.0A,KBU package.

/ Features

155A UL94-V0

Surge overload rating -155 amperes peak,Plastic material has UL94-V0.

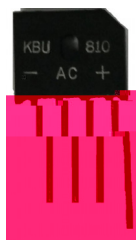
/ Applications

General purpose.

/ Equivalent Circuit

/ See Pinning.

/ Pinning



/ Marking

See Marking Instructions.

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DATA SHEET

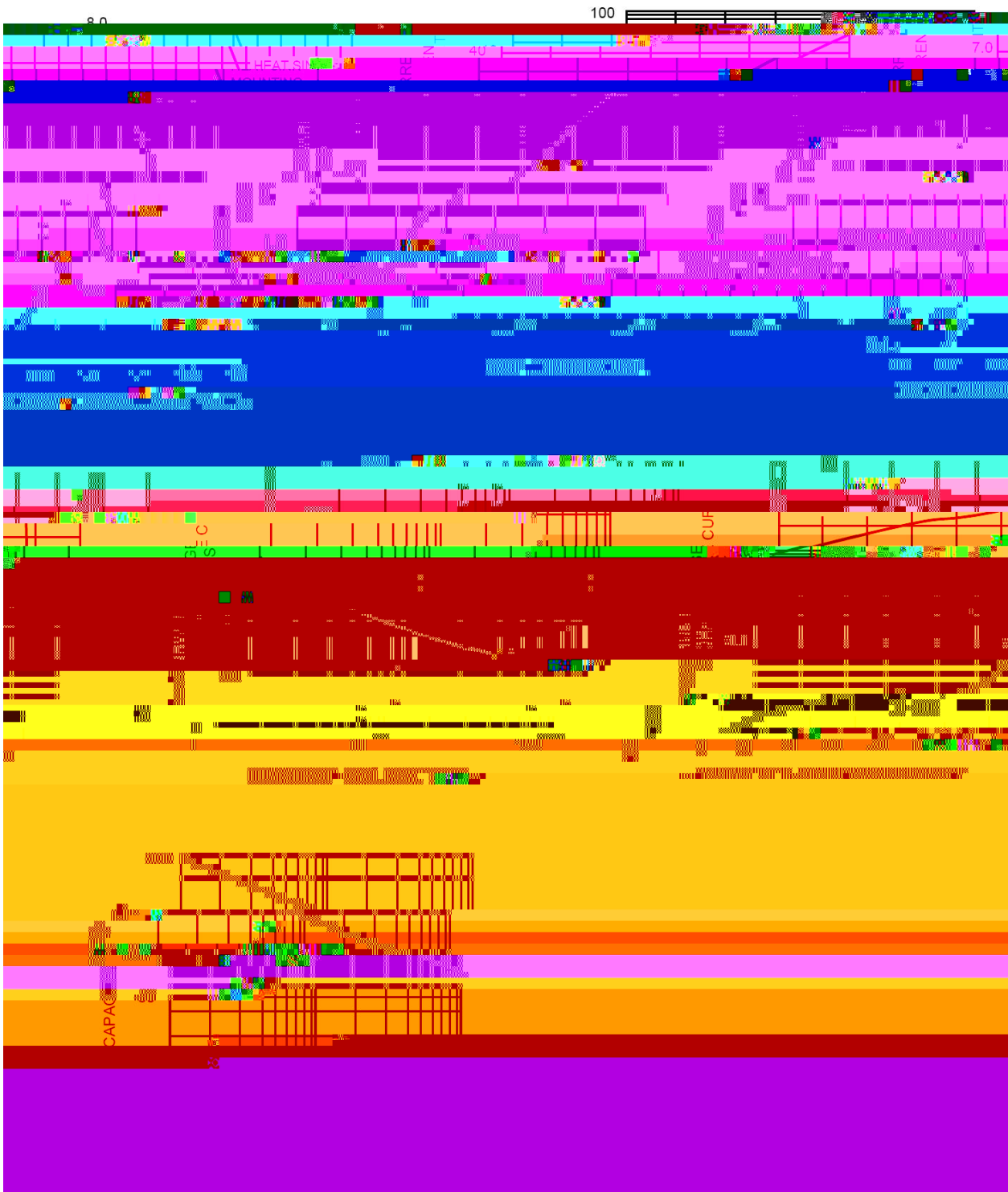
Parameter	Symbol	Rating							Unit
		KBU8005	KBU801	KBU802	KBU804	KBU806	KBU808	KBU810	
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current at $T_C=100$	$I_{(AV)}$	8.0							A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load(JEDEC Method)	I_{FSM}	155							A
Typical Junction Capacitance Per Element (Note1)	C_j	250							pF
Operating Temperature Range	T_j	-55~150							
Storage Temperature Range	T_{stg}	-55~150							

Note:

1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

Parameter	Symbol	Test Conditions	Rating	Unit
Maximum Instantaneous Forward Voltage Drop per Element	V_F	$I_F=4.0A$	1.0	V
Maximum DC Reverse Current at Maximum DC Blocking Voltage	I_R	$T_J=25$	10	μA

/ Electrical Characteristic Curve



/ Marking Instructions



KBU810

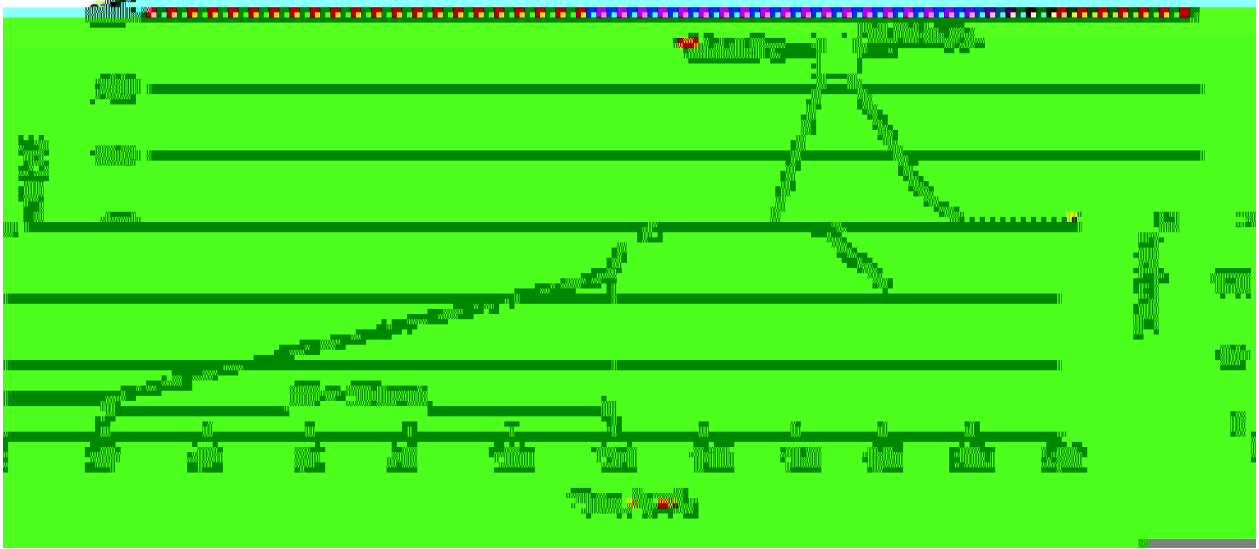
- AC +

Note:

KBU810 Product Type

- AC + Pin function

() / Temperature Profile for Dip Soldering(Pb-Free)



Note:

- | | | | |
|---|--------|-----------|--|
| 1 | 25 150 | 60 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 255±5 | 5±0.5sec; | 2.Peak Temp.:255±5 , Duration:5± 0.5sec. |
| 3 | 2 10 | 0.5±0.1 | |