/ 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.

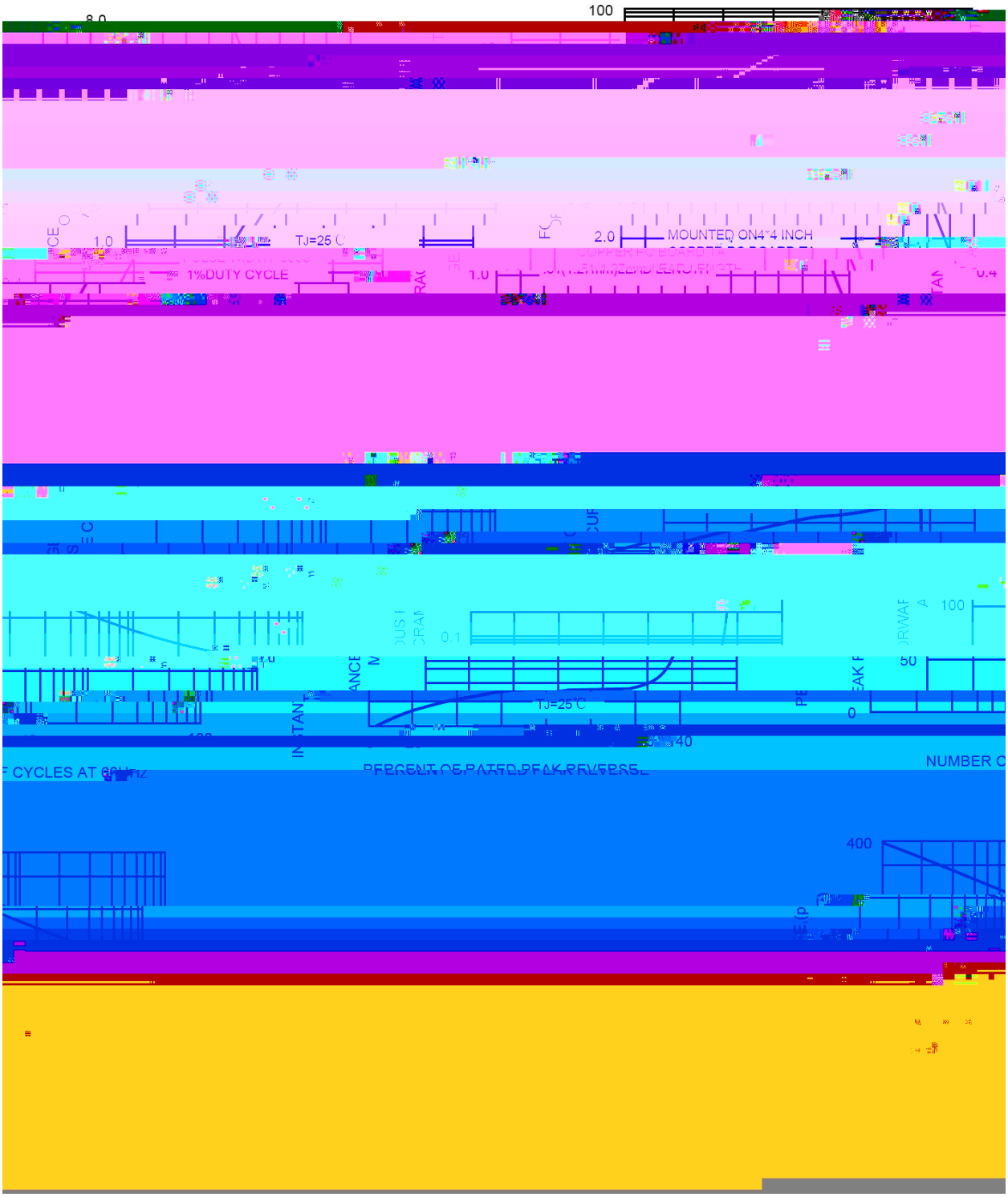
Parameter	Symbol	Rating							Unit
		KBU8005	KBU801	KBU802	KBU804	KBU806	KBU808	KBU810	
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average 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:

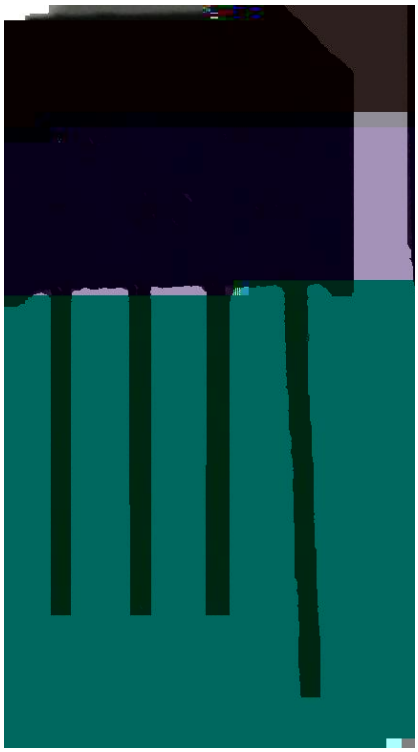
1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

Parameter	Symbol	Test Conditions	Rating	Unit
Maximum Instantanous 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



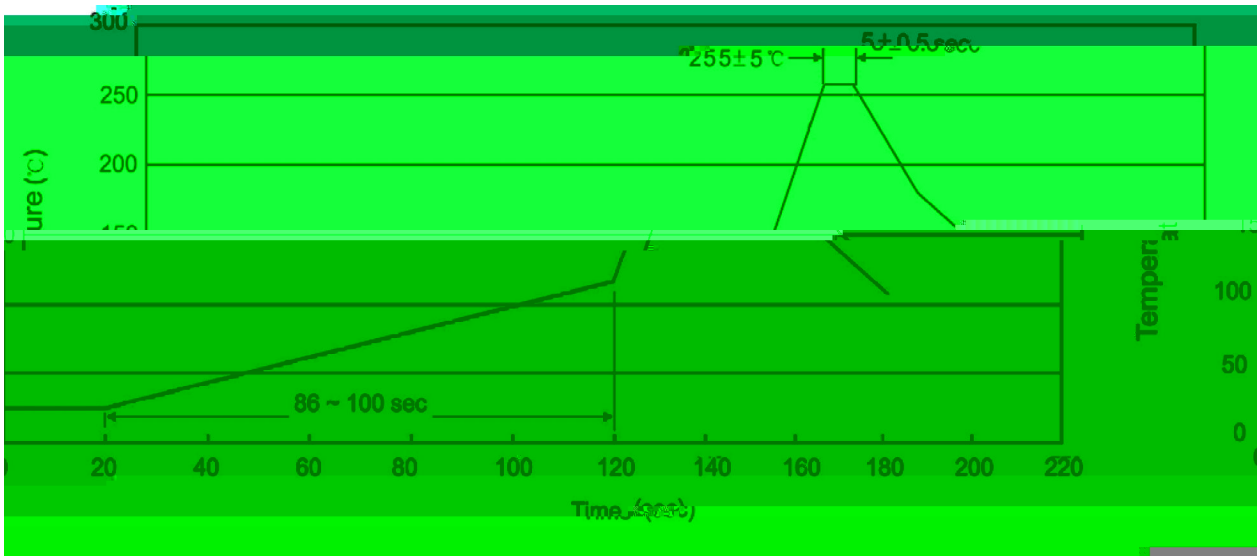
KBU810

\- AC +

Note:

KBU810	Product Type
- AC +	Pin function

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



Note:

1 25 150 60 90sec;

2 255±5 5±0.5sec;

3 2 10

1.Preheating:25~150 , Time:60~90sec.

2.Peak Temp.:255±5 , Duration:5±0.5sec.