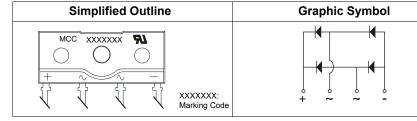




۶L°		E502650													
Features															
 Halogen Free. "Gree Glass Passivated C High Surge Forward Epoxy Meets UL 94 Lead Free Finish/Ro RoHS Compliant. So 	hip Juncti I Current V-0 Flam HS Com ee Orderi	on Capabi Imabilit pliant (ng Info	ility y Ratir Note 2 rmatio)("P" S n)		-		cifie	d)			dge	An Re 000	ctif	
	-9- C -		(0		Value										
Parameter	Symbol	KBJA 10005				KBJA	KBJA 1008		Unit						
Peak Repetitive Reverse Voltage	V _{RRM}														
Working Peak Reverse Voltage	V_{RWM}	50	100	200	400	600	800	1000	V				П		
DC Blocking Voltage	V_{R}												JB		
RMS Reverse Voltage	V _{RMS}	35	70	140	280	420	560	700	V						
Average Rectified Forward Current @ T _c =95°C	I _{F(AV)}				10				А			A			F H
Non-Repetitive Peak Surge Current @ 8.3ms Half Sine Wave		150								0	0	B	E G		
Non-Repetitive Peak Surge Current @ 1ms Square Wave	I _{FSM}	300					Α	<u> </u>							
I²t Rating for Fusing @1ms≤t≤8.3ms	l ² t	93 4					A²s	<u>M</u>	╢╸╢	ļ	ļļ				
Dielectric strength @Terminals to Case, AC 1 Minute	V _{dis}	2 KV					кν		N -	N	<u>N</u>		┺╞╟╼		
Marking Code													IENSION		
Part Number	Marking	g Code)							DIM	INCI MIN	MAX	MIN	MAX	NOTE
KBJA10005	KBJA10	005								A			24.70		
KBJA1001	KBJA10							В	0.394	0.417	10.00	10.60			
KBJA1002	KBJA10							С		0.598		15.20			
KBJA1004	KBJA10							D		0.472		12.00			
KBJA1006	KBJA10							E F	0.213 0.154		5.40	6.00 4.50			
KBJA1008 KBJA1010	KBJA10							G F	0.154		3.90 3.10	3.40			
NDJATUTU	KBJA1010							0.122	0.134	0.10	0.40				

Internal Structure



Note:

1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chloring (<1500ppm total Br + Cl) and <1000ppm antimopy compounds

<900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.</p>
2.High temperature solder exemption applied, see EU directive annex 7a.

0.114 0.138 2.90

0.102

0.024

0.069

0.043

0.303

0.083 0.091

2.00

0.40

-

0.90

7.30

2.10

0.079

0.012

0.035

0.287

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0

3.90

2.60

0.60

1.75

1.10

7.70

2.30



Thermal characteristics

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
TJ	Operating Junction Temperature Range		-55		150	°C
T _{stg}	Storage Temperature Range		-55		150	°C
Rth _(J-C)	Thermal Resistance from Junction to Case	Note 1		2.8		°C/W
Rth _(J-A)	Thermal Resistance from Junction to Ambient	Without Heatsink		28		°C/W

Note:

1.Device mounted on 75mm x 45mm x 5.5mm Aluminum Plate Heatsink.

Mechanical Data

Recommended Mounting Torque: 0.5 N•m

Electrical Characteristics @ 25°C Unless Otherwise Specified(Per Diode)

Parameter	Symbol	Test Conditions	Min	Тур	Max	Unit
Forward Voltage	V _F	I _F =5A;T _J =25°C			1.0	V
Reverse Current	I _R	at Rated V _R ;T _J =25°C at Rated V _R ;T _J =125°C			5 100	μΑ
Junction Capacitance	CJ	V _R =4V;f=1MHz;T _J =25°C		50		pF



Curve Characteristics

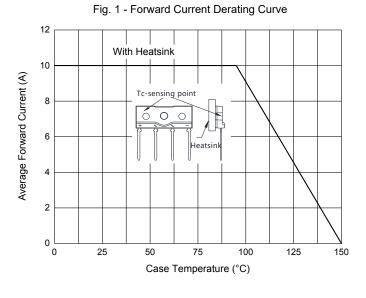


Fig. 3 - Typical Forward Characteristics

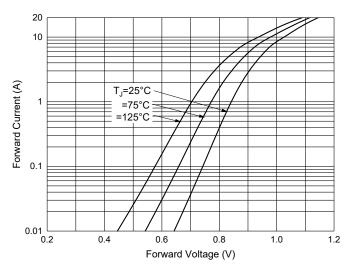
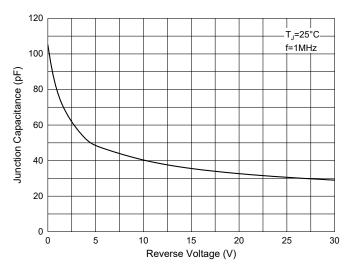


Fig. 5 - Typical Capacitance Characteristics



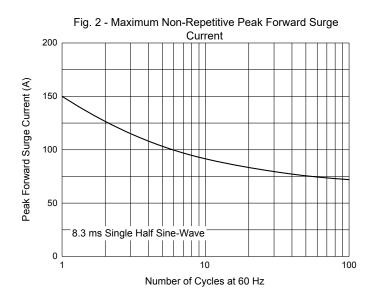
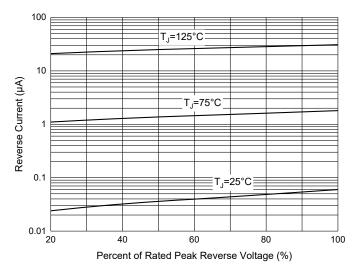


Fig. 4 - Typical Reverse Leakage Characteristics





Ordering Information

Device	Packing
Part Number-BP	Bulk:20pcs/Tube,900pcs/Box,1800pcs/Carton

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