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**PRODUCT / PROCESS CHANGE NOTIFICATION**

**23 - OCT - 2006**

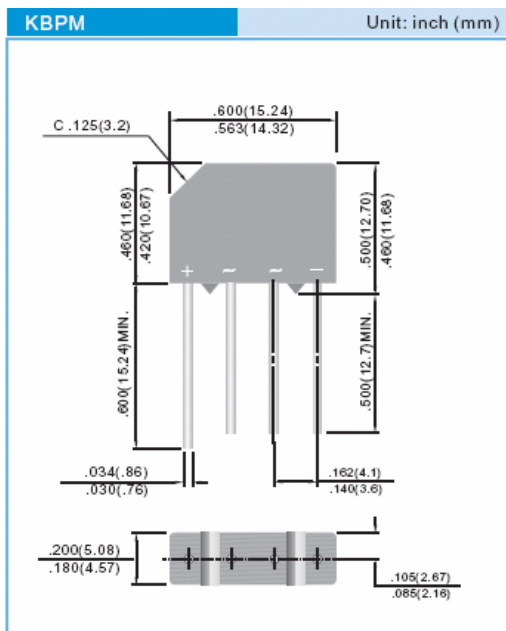
**PCN NUMBER: PCN# 0610004**

**SUBJECT: KBPM package change**

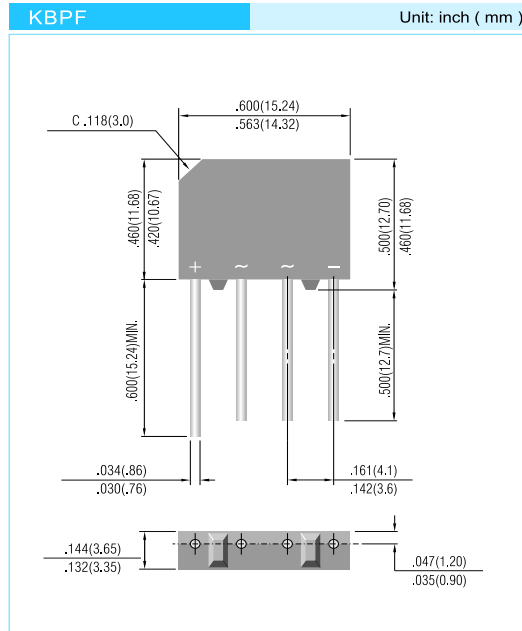
**DESCRIPTION OF CHANGE / PURPOSE:**

Change from KBPM package to KBPF package.

KBPM package:



KBPF package:



**EFFECTIVE DATE:**

The package change start from DEC 01, 2006.

**AFFECTED PRODUCT TYPE:**

Change from KBPM package to KBPF package, affected type list below as:

IF(A)	TYPE	FAMILY
1A/1.5A	KBP005M ~KBP10M, KBP005M_NL~KBP10M-NL 3N246~3N252, 3N246_NL~3N252_NL, FI150~FI1510	FIG-15
2A	2KBP005M~2KBP10M, 2KBP005M_NL~2KBP10M-NL 3N253~3N259, 3N253_NL~3N259_NL, FI200~FI2010	FIG-20

**RELIABILITY DATA SUMMARY: All pass the following items test**

<b>TEST</b>	<b>TEST CONDITIONS</b>	<b>Interval</b>
<b>Temperature Cycling Test (T.C.T)</b>	Ta=-55+0/-10°C , 10mins Ta=150+15/-0°C , 10mins	<b>20 cycles</b>
<b>High Temperature Storage Life (H.T.S.L)</b>	Ta=150+/-5°C	<b>168 hrs</b>
<b>High Temperature Reverse bias (H.T.R.B)</b>	Ta=150+/-5°C VR=80% VRM	<b>168 hrs</b>
<b>Continue Forward Operation Life (C.F.O.L)</b>	I=I <sub>0</sub> +/-10% DC supply	<b>168 hrs</b>
<b>Thermal Shock</b>	HOT Ta=100+10/-2°C t=5min COLD Ta=0+2/-10°C t=5min Time between transferring Do not exceed 10sec	<b>15 cycles</b>
<b>Pressure Cooker</b>	Ta=121°C P=29.7psia/205kpa or 2.088 kg/cm <sup>2</sup>	<b>96 hrs</b>
<b>Intermittent Forward Operation Life (I.F.O.L)</b>	I=I <sub>0</sub> DC supply POWER ON: at least 30 SEC POWER OFF: 50 SEC	<b>2000 cycles</b>

**Forward Surge**                      SQ wave or SINE wave                      **1 cycle**  
IFSM= DATA SHEET SPEC  
Time=8.3m sec

**Humidity**                      Ta=85±2°C                      **168 hrs**  
RH=85±5%

**Solder Resistance**                      Temp. of solder pot=260±5°C                      **1 cycle**  
Time for dip in solder=10+2/-0sec  
Dipping depth=1.57±0.79 mm  
From the body

**ELECTRICAL CHARACTERISTIC SUMMARY:**

There is no change to the products electrical specifications.  
Contact your local Panjit sales representative.

**TECHNICAL CONTACT:**

E-mail address: [jiannong@maxdiode.com](mailto:jiannong@maxdiode.com)

**FOR ANY QUESTION CONCERNING THIS NOTIFICATION:**

Contact your local Panjit sales representative

**ADDITIONAL RELIABILITY:**

Contact your local Panjit sales representative

**CHANGED PART IDENTIFICATION:**

Products identification please refers to outline drawing.