MSKSEMI 美森科













ESD

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TSS

MOV

GDT

PIFD

KBP3005-MS THRU KBP310-MS

Product specification





VOLTAGE RANGE: 50 - 1000V CURRENT: 3.0 A

FEATURES

- Surge overload rating-80 amperes peak
- Ideal for printed circuit board
- Plastic material has Underwriters Labooratory
- Flammability Classification 94V-O
- Mounting position: Any
- Lead: Silver Plated Cooper Lead.

MECHANICAL DATA

- Case: Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202,

Method 208

Polarity: As Marked on BodyWeight: 1.7 grams (approx.)

Mounting Position: Any

Marking: Type Number

REFERENCE NEWS



Marking

KBP3005-MS	KBP301-MS	KBP302-MS	KBP304-MS
MSKSEMI	MSKSEMI	MSKSEMI	MSKSEMI
KBP3005	KBP301	KBP302	KBP304
+ AC -	+ AC -	+ AC -	+ AC -
KBP306-MS	KBP308-MS	KBP310-MS	
MSKSEMI	MSKSEMI	MSKSEMI	
KBP306	KBP308	KBP210	
+ AC -	+ AC -	+ AC -	

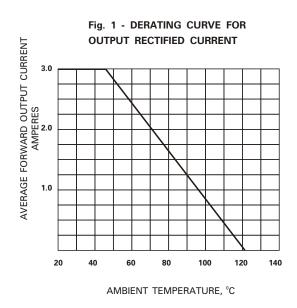


Maximum Ratings @ TA = 25°C unless otherwise specified

Characteristic	Symbol	KBP 3005-MS	KBP 301-MS	KBP 302-MS	KBP 304-MS	KBP 306-MS	KBP 308-MS	KBP 310-MS	Unit
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	٧
Maximum RMS Bridge Input Voltage	V _{RMS}	35	70	140	280	420	560	700	٧
Maximum DC Blocking Voltage	V_{DC}	60	100	200	400	600	800	1000	٧
Maximum Average Forward Output Current @ TA=25 °C	V _(AV)	3.0						А	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load	I _{FSM}	80							A
Maximum DC Forward Voltage drop per element at 1.0A DC	V _F	1.1						٧	
Maximum DC Reverse Current at rated @TA=25 °C DC Blocking Voltage Per Element @ TA=100°C	I _R	10 1						u A mA	
l⁴t Rating for fusing(t<8.3ms)	l² t	10						A ² S	
Operating Temperature Range	TJ	-55 to +125						°C	
Storage Temperature Range	T _{STG}	-55 to +150					°C		



RATING AND CHARACTERISTIC CURVES (KBP3005-MS THRU KBP310-MS)



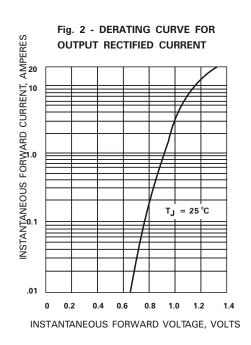
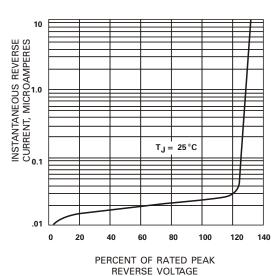
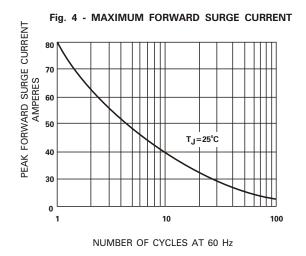


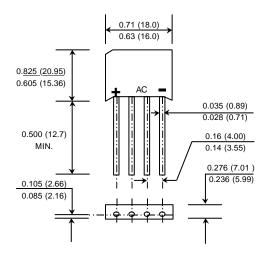
Fig. 3 - TYPICAL FORWARD CHARACTERISTICS







PACKAGE MECHANICAL DATA



Dimensions in inches and (millimeter)

REELSPECIFICATION

P/N	PKG	QTY
KBP3005-MS THRU KBP310-MS	КВР	500



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