



4A Glass Passivated Single-Phase Bridge Rectifier

特征/Features	外形尺寸/Outline Dimensions
◆ 玻璃钝化芯片 Glass passivated chip ◆ 低反向漏电流 Low Reverse Leakage Current ◆ 高耐浪涌电流能力 High surge current capability ◆ 接线端与壳体间绝缘耐压2500V Case to Terminal Isolation Voltage 2500V	Case: KBL Series Dimensions in millimeters
机械参数/Mechanical Data	
◆ 本体: 塑封 Case: plastic package ◆ 标识/极性: 本体标记 Marking / Polarity: Marked on Body ◆ 重量: 约克 Weight: About 4.2 grams	

极限值/Maximum Ratings and Thermal Characteristics @ Ta = 25℃ unless otherwise noted

符号 Symbol	特性 Characteristic	KBL4							单位 Unit
		005	01	02	04	06	08	10	
VRRM	最大反向重复峰值电压 Maxmum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
IF (AV)	平均整流输出电流 Average Forward Output Rectified Current@Ta =85℃	4							A
VF	正向峰值电压 Forward Voltage Per Leg @IFM =4.0A	1.1							V
IFSM	正向浪涌电流 Peak Forward Surge Current 8.3ms Single Half Sine-wave superimposed on rated load	125							A
IR	反向漏电流 Maximum DC reverse current at rated Ta = 25℃ DC blocking voltage per leg Ta = 125℃	5 500							uA
i²t	热容值 Rating for fusing (t<8.3ms)	127							A²S
Visol	绝缘耐压 Rms isolation voltage from case to leads	2500							V
RθJC	热阻 Maximum thermal resistance per leg	4.2							℃/W
Tj, TSTG	结温， 存储条件 Operating Junction and storage temperature range	-55～150							℃

Note:

- (1) Junction to case with heatsink
- (2) Recommended mounting position is to bolt down on heatsink with silicone thermal compound for maximum heat transfer with M3 screw .



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曲线（典型） Characteristics(Typical)

FIG.2-FORWARD DERATING CURRENT

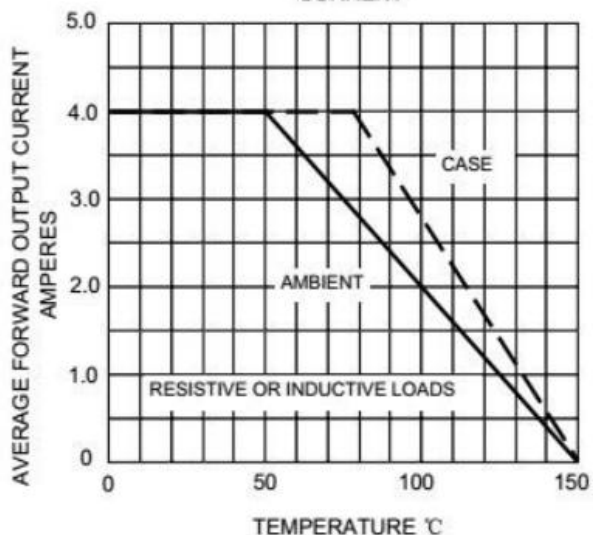


FIG.1-MAXIMUM NON-REPETITIVE SURGE CURRENT

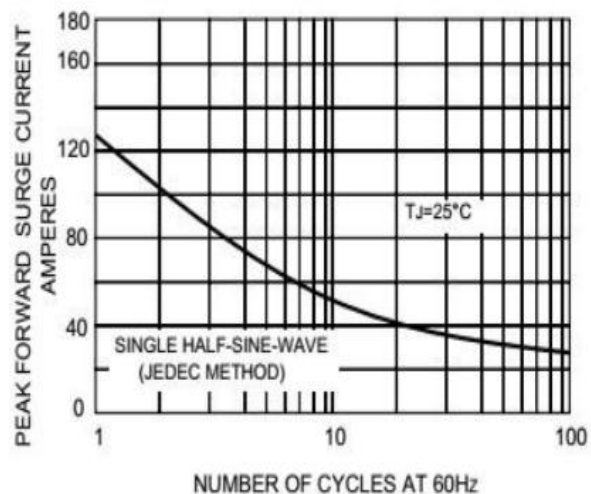


FIG.3-TYPICAL FORWARD CHARACTERISTICS

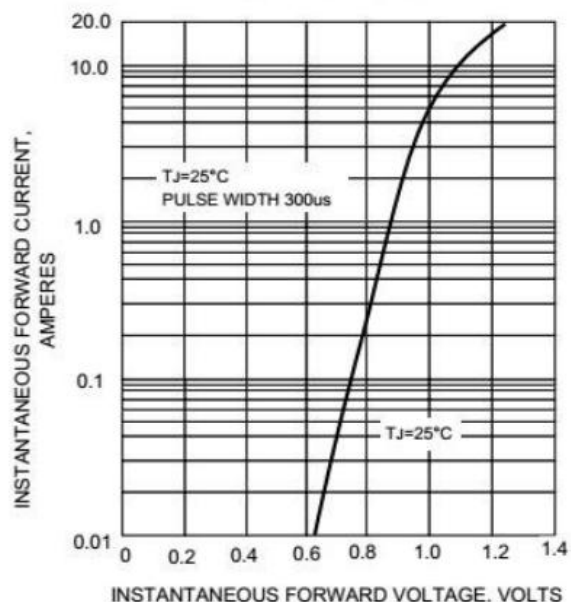


FIG.4-TYPICAL REVERSE CHARACTERISTICS

