KABS34 THRU KABS325

3A 40-250V Schottky Bridge Rectifiers

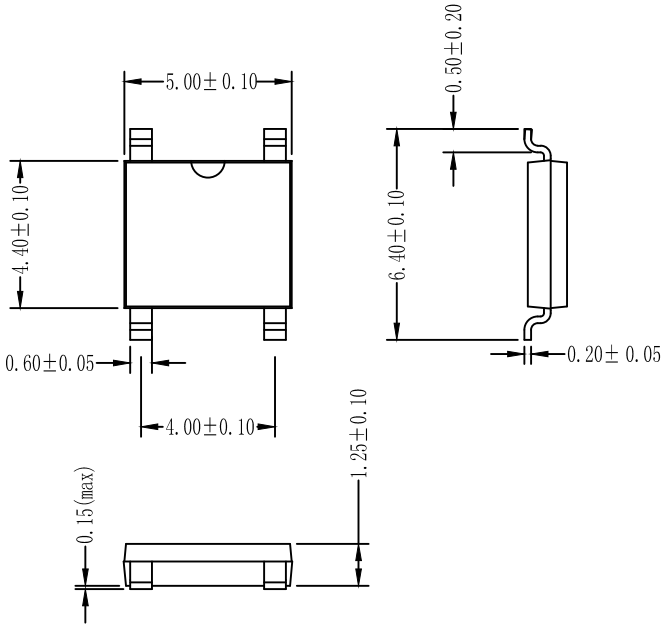
Features:

- ●Forward current ： 3.0A
- ●Reverse Voltage ： 40-250V
- ●High surge forward current capability
- ●Designed for Surface Mount Application

Mechanical data:

- ●Case Molded plastic body
- ●Terminals Plated leads solderable per MIL-STD-750,Method 2026
- ●Approx.Weight: 88mg 0.0031oz

ABS



Dimensions in millimeters

Maximum Ratings and Electrical characteristics

Ratings at 25 °C ambient temperature unless otherwise specified.
Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current derate by 20 %.

TYPE NUMBER	SYMBOL	KABS34	KABS36	KABS38	KABS310	KABS315	KABS320	KABS325	UNITS
Peak Repetitive Reverse Voltage	VRRM	40	60	80	100	150	200	250	V
RMS Reverse Voltage	VR(RMS)	28	42	56	70	105	140	175	
DC Blocking Voltage	VDC	40	60	80	100	150	200	250	
Maximum Average Forward Rectified Current	IF(AV)	3							A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	60							A
Maximum instantaneous forward voltage at 3.0A	VFM	0.55	0.70	0.85			0.9	0.95	V
Peak Reverse Current At Rated DC Blocking Voltage @TA = 25°C	IRM	0.5		0.2					mA
@TA = 100°C		10		5				2	
Typical Thermal Resistance per leg(Note1)	R θ JA	50							°C/W
Operating junction temperature range	TJ	-55 TO 125		-55 TO 150					°C
Operating and Storage Temperature Range	TSTG	-55 TO 150							°C

Note1: Measured at 1.0MHZ and applied reverse voltage of 4.0V DC.

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Characteristics (Typical)

Fig. 1 Output Current Derating Curve

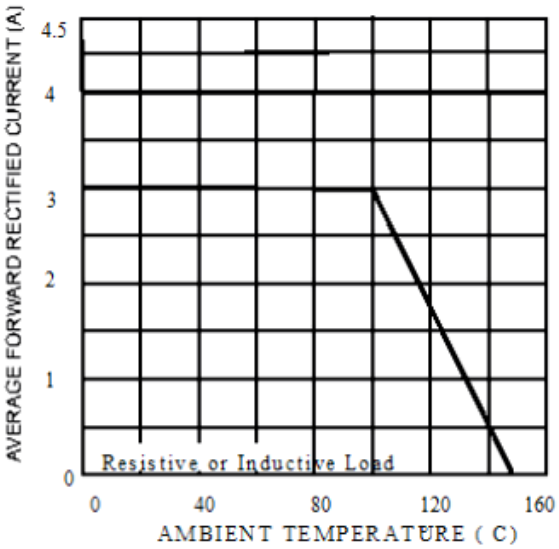

Fig.2Typical Forward Characteristics (per leg)

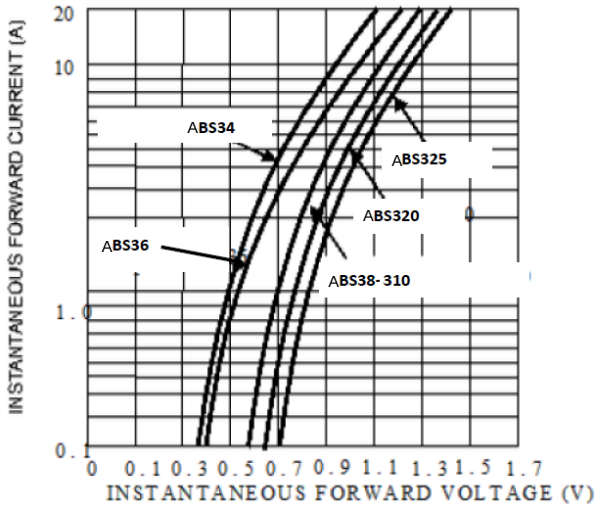

Fig. 3 Maximum Peak Forward Surge Current (per leg)

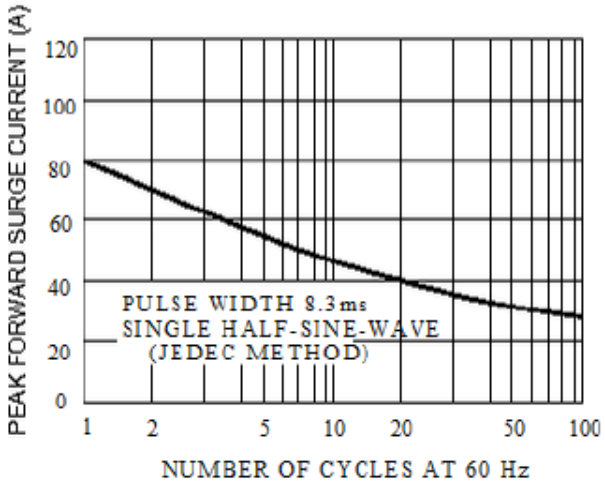

FIG. 4-TYPICAL REVERSE CHARACTERISTICS

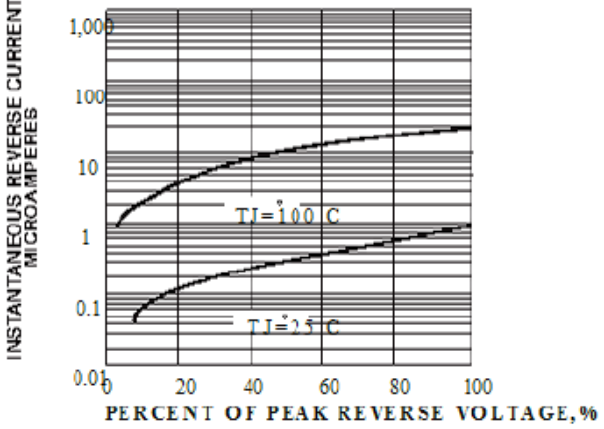

Fig.5 Typical Junction Capacitance