



SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE 200 Volts CURRENT 3.0 Amperes

FEATURES

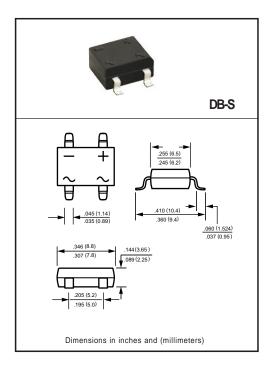
- * Good for automation insertion
- * Ideal for printed circuit board
- * Reliable low cost construction utilizing molded
- * Glass passivated device
- * Polarity symbols molded on body
- * Mounting position: Any

MECHANICAL DATA

* Epoxy: Device has UL flammability classification 94V-O

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified. resistive or inductive load.



MAXIMUM RATINGS (@ TA=25 °C unless otherwise noted)

RATINGS	SYMBOL	KDB3200S	UNITS
Maximum Recurrent Peak Reverse Voltage		200	Volts
Maximum RMS Voltage		140	Volts
Maximum DC Blocking Voltage	V _{DC}	200	Volts
Max Avg Forword Rectify Current at Ambient Temp needs To be corrected to Lead Temperature,TL	Io	3.0	Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	80	Amps
Typical Current Square Time	I ² T	26.5	A ² S
Typical Thermal Resistance (Note 1)	Røja	55	00/14/
Typical Thermal Resistance (Note 1)	R _{θJL}	17	°C/W
Typical Junction Capacitance (Note 2)	CJ	200	pF
Operating Temperature Range	TJ	-55 to + 150	°C
Storage Temperature Range	T _{STG}	-55 to + 150	۰c

ELECTRICAL CHARACTERISTICS(@Ta=25 °C unless otherwise noted)

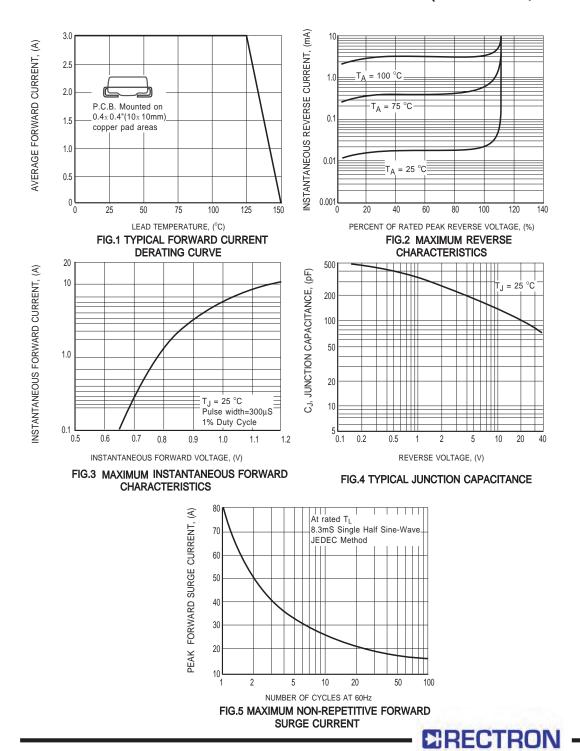
CHARACTERISTICS		SYMBOL	KDB3200S	UNITS	
Maximum Instantaneous Forward Voltage	e at 3.0A DC	V _F	.85		
Maximum Average Reverse Current	@T _A = 25°C	1-	20	uA	
at Rated DC Blocking Voltage	@T _A = 100°C	IR	4	mΑ	

NOTES: 1. Thermal Resistance: Mounted on PCB.

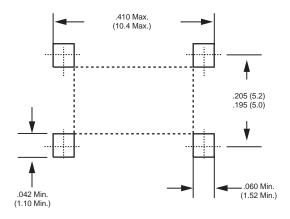
2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.

2020-04/97 REV:A

RATING AND CHARACTERISTICS CURVES (KDB3200S)



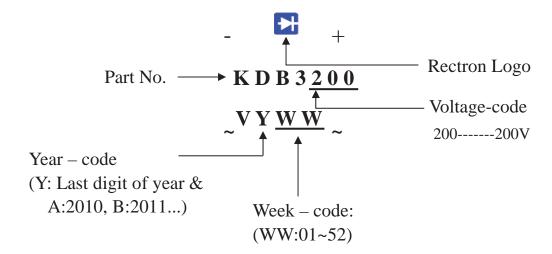
Mounting Pad Layout



Dimensions in inches and (millimeters)



Marking Description





PACKAGING OF DIODE AND BRIDGE RECTIFIERS

BULK PACK

PACKA	GE	PACKING CODE	EA PER BOX	INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	WEIGHT(Kg)
DB-S		-C	4,000	450*140*84	464*305*283	24,000	18.44

REEL PACK

PACKAGE	PACKING CODE	EA PER REEL	EA PER INNER BOX	COMPONENT SPACE (mm)	TAPE SPACE (mm)	REEL DIA (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
DB-S	-T/W	1,000	1,000	9.5	52	330	360*355*360	8,000	9.8



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