

DB201 THRU DB207

SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER

VOLTAGE RANGE 50 to 1000 Volts CURRENT 2.0 Amperes

FEATURES

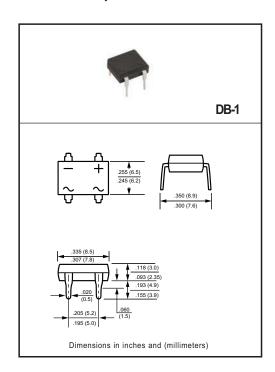
- * Good for automation insertion
- * Surge overload rating 60 amperes peak
- * Ideal for printed circuit board
- * Reliable low cost construction utilizing molded
- * Glass passivated device
- * Polarity symbols molded on body
- * Mounting position: Any

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 (At T_A = 25°C unless otherwise noted)

RATINGS	SYMBOL	DB201	DB202	DB203	DB204	DB205	DB206	DB207	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS Bridge Input Voltage	V _{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Output Current at T _A = 40°C	I _O	2.0						Amps	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	60						Amps	
Typical Current Squared Time	I ² T	14.9						A ² S	
Turing Thomas Decistores (Nets 2)	R _{θJA}	40							
Typical Thermal Resistance (Note 2)	RøJL	15						°C/W	
Operating and Storage Temperature Range	TJ,TSTG	-55 to + 150						٥C	

ELECTRICAL CHARACTERISTICS (At T_A = 25°C unless otherwise noted)

CHARACTERISTICS		SYMBOL	DB201	DB202	DB203	DB204	DB205	DB206	DB207	UNITS
Maximum Forward Voltage Drop per Bridge		VE	11						Volts	
Element at 2.0A DC		V F	1.1						VOILS	
Maximum Reverse Current at Rated	@T _A = 25°C	la	5.0						uAmps	
DC Blocking Voltage per element	@T _A = 125°C	IR	0.5							mAmps

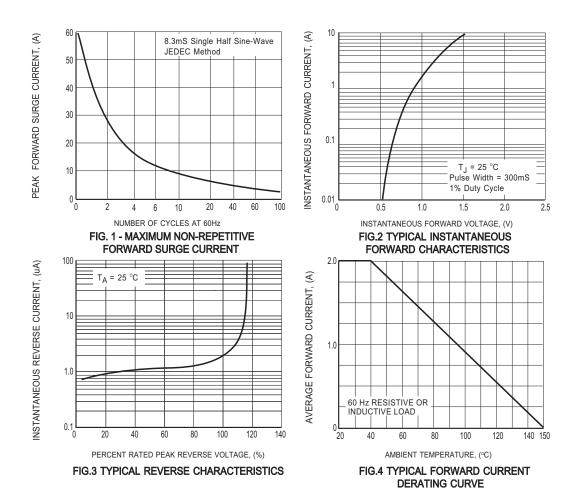
Note: 1."Ro HS compliant"

2. Thermal Resistance: Mounted on PCB.

3. Available in Halogen-free epoxy by adding suffix -HF after the part nbr.

2021-07 REV:A

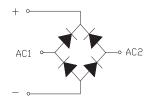
RATING AND CHARACTERISTICS CURVES (DB201 THRU DB207)



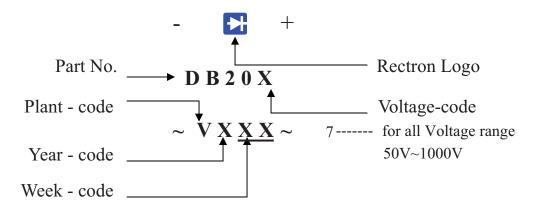


Attachment information about DB20X

1. Internal Circuit



2. Marking on the body



3. Items marked on the inner box and carton

3.1 On the box (for -C)

CUSTOMER

TYPE

LOT NO.

QUANTITY

Q.A.

DATE

3.2 On the carton

CUSTOMER

TYPE

QUANTITY

LOT NO.

REMARK

PACKAGING OF DIODE AND BRIDGE RECTIFIERS

TUBE PACK

PACKAGE	PACKING CODE	EA PER BOX	INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	WEIGHT(Kg)
DB-1	-C	2,500	440*130*65	460*290*150	10,000	6.80



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