



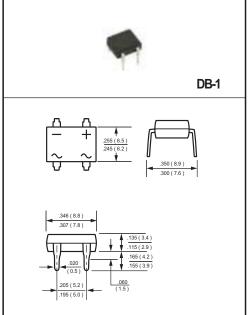
GLASS PASSIVATED SUPER FAST SILICON SURFACE MOUNT BRIDGE RECTIFIER VOLTAGE RANGE 50 to 600 Volts CURRENT 1.0 Ampere

FEATURES

- * Good for automatic insertion
- * Surge overload rating 30 amperes peak
- * Ideal for printed circuit board
- * Reliable low cost construction utilizing molded
- * Glass passivated device
- * Polarity symbols molded on body
- * Mounting position: Any
- * Weight: 1.0 gram

MECHANICAL DATA

* UL listed the recongnized component directory,file #94233 * Epoxy: Device has UL flammability classification 94V-O



Dimensions in inches and (millimeters)

REV:D

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS Ratings at 25 °C ambient temperature unless otherwise specified. resistive or inductive load.

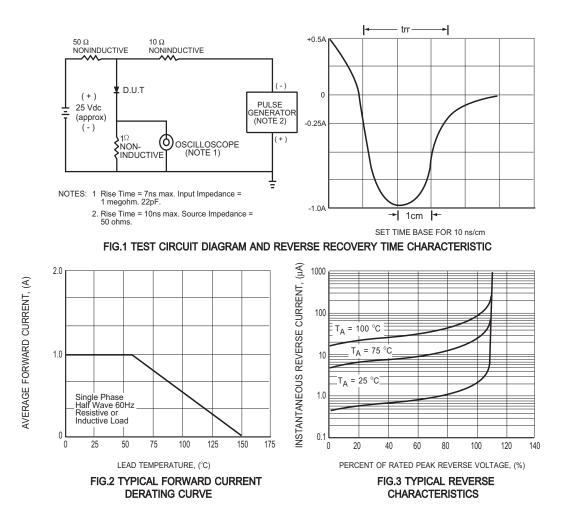
RATINGS	SYMBOL	EDB101	EDB102	EDB103	EDB104	EDB105	EDB106	EDB107	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	150	200	300	400	600	Volts
Maximum RMS Bridge Input Voltage	V _{RMS}	35	70	105	140	210	280	420	Volts
Maximum DC Blocking Voltage	V _{DC}	50	100	150	200	300	400	600	Volts
Maximum Average Forward Output Current at T _A = 55°C	I _O	1.0						Amps	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	30						Amps	
Typical Current Squarad Time	l ² t	3.7						A ² /Sec	
Typical Thermal Resistance (Note 3)	R _{θJA}	38							°C/W
	RθJL	12							
Typical Junction Capacitance (Note 2)	CJ	15 10				pF			
Operating and Storage Temperature Range	TJ, TSTG	-55 to + 150						٥C	

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

CHARACTERISTICS		SYMBOL	EDB101	EDB102	EDB103	EDB104	EDB105	EDB106	EDB107	UNITS
Maximum Forward Voltage at 1.0A DC		V _F	1.05 1.35				1.70	Volts		
Maximum Reverse Current at Rated	@T _A = 25°C	1-	5.0							uAmps
DC Blocking Voltage per element	@T _A = 100°C	IR IR	100							uAmps
Maximum Reverse Recovery Time (Note 1)		trr	50							nSec
Note: 1.Test Conditions: I _F =0.5A,I _R =-1.0A,I _{RR} =-0.25A.									2016-04	

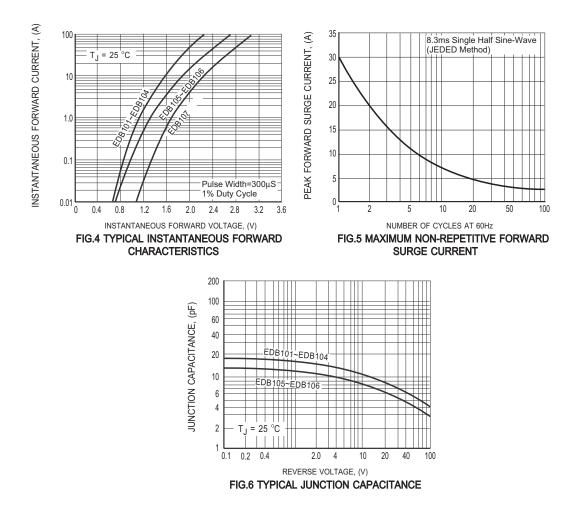
Note: 1.Test Conditions: Ir=0.5A,IR=-1.0A,IRR=-0.25A. 2.Measured at 1MHz and applied reverse voltage of 4.0 volts. 3.Thermal Resistance : Mounted on PCB.

RATING AND CHARACTERISTICS CURVES (EDB101 THRU EDB107)



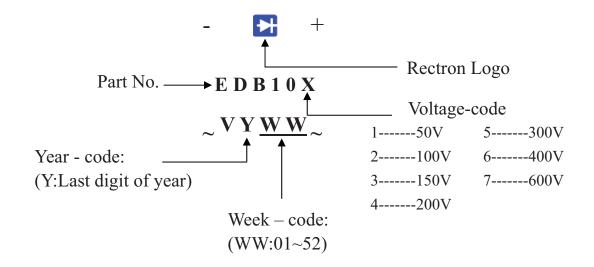
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RATING AND CHARACTERISTICS CURVES (EDB101 THRU EDB107)





Marking Description



CRECTRON

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	450*140*84	464*305*283	15,000	14.30



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