

DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

出货 **DB151S THRU DB157S**

TECHNICAL SPECIFICATIONS OF SINGLE-PHASE SURFACE MOUNT BRIDGE RECTIFIER VOLTAGE RANGE - 50 to 1000 Volts CURRENT - 1.5 Ampere

FEATURES

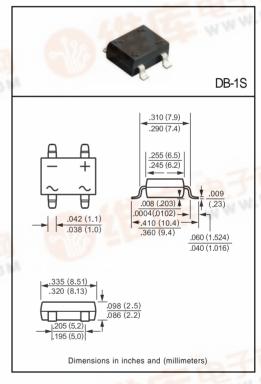
- * Surge overload rating 50 Amperes peak
- * Ideal for printed circuit board
- * Reliable low cost construction
- * Glass passivated junction

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: UL 94V-0 rate flame retardant
- * Terminals: MIL-STD-202E, Method 208 guaranteed
- * Polarity: Symbols molded or marked on body
- * Mounting position: Any
- * Weight: 0.38 gram

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, derate current by 20%.



		SYMBOL	DB151S	DB152S	DB153S	DB154S	DB155S	DB156S	DB157S	UNITS
Maximum Recurrent Peak Reverse Voltage		VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS Bridge Input Voltage		VRMS	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage		VDC	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Output Current at TA = 40°C		lo	1.0						Amps	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	50						Amps	
Maximum Forward Voltage Drop per Bridge Element at 1.0A DC		VF	1.1						Volts	
Maximum DC Reverse Current at rated	@TA = 25°C	l _R	10							uAmps
DC Blocking Voltage per element	@Ta = 125°C	IK IK	500							
I ² t Rating for Fusing (t<8.3ms)		I ² t	10						A ² Sec	
Typical Junction Capacitance (Note1)		Cı	25						pF	
Typical Thermal Resistance (Note 2)		RθJA	40							°C/W
ating and Storage Temperature Range		TJ,TSTG	-55 to + 150							۰C

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

RATING AND CHARACTERISTIC CURVES (DB151S THRU DB157S)

FIG. 1 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT PEAK FORWARD SURGE CURRENT, (A) 8.3ms Single Half Sine-Wave (JEDEC Method) NUMBER OF CYCLES AT 60Hz

