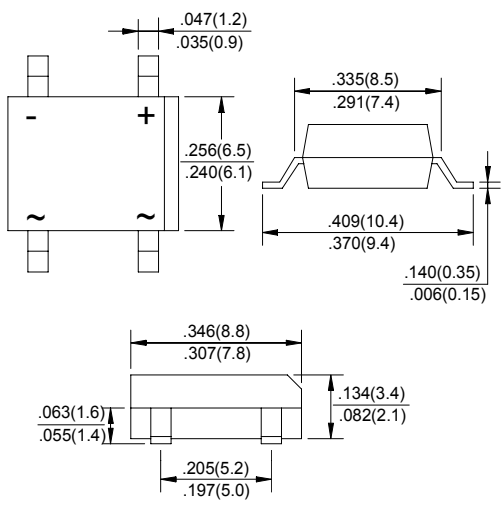


DB101S THRU DB107S

BRIDGE RECTIFIERS	Voltage Range - 50 to 1000 Volts Current -1.0 Ampere
DBS  <p style="text-align: center;">Dimensions in inches and (millimeters)</p>	Features <ul style="list-style-type: none"> ◆ Rating to 1000V PRV ◆ Ideal for printed circuit board ◆ Low forward voltage drop, high current capability ◆ Reliable low cost construction utilizing molded plastic technique results in inexpensive product ◆ The plastic material has UL flammability classification 94V-0 Mechanical Data <p> Case: Molded plastic body Polarity: As marked Mounting position : Any Weight: 0.02 ounces, 0.38 grams </p>

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

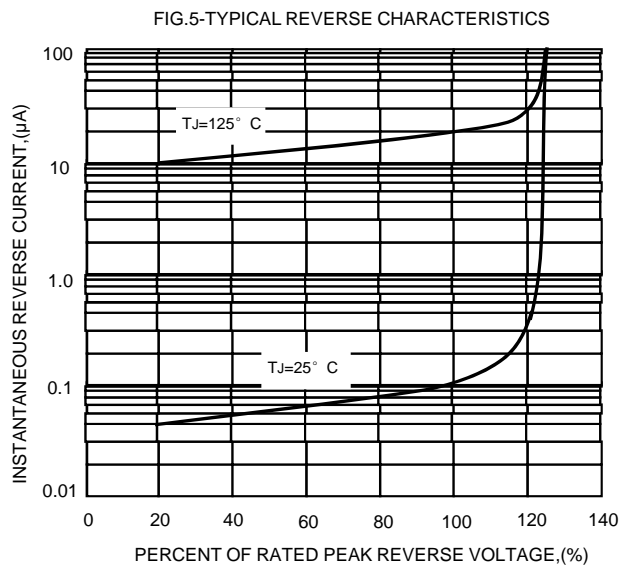
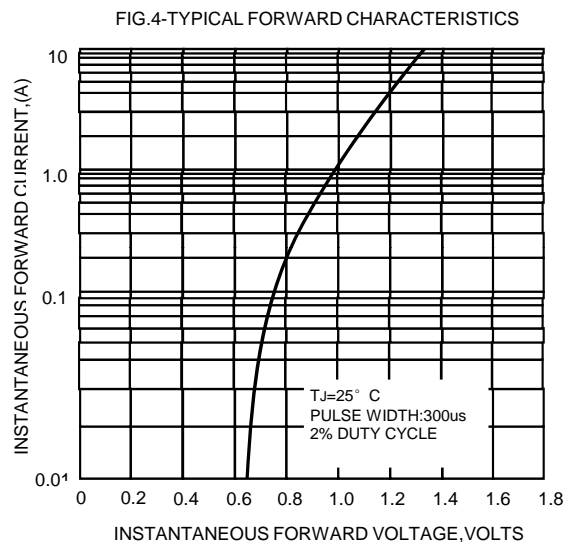
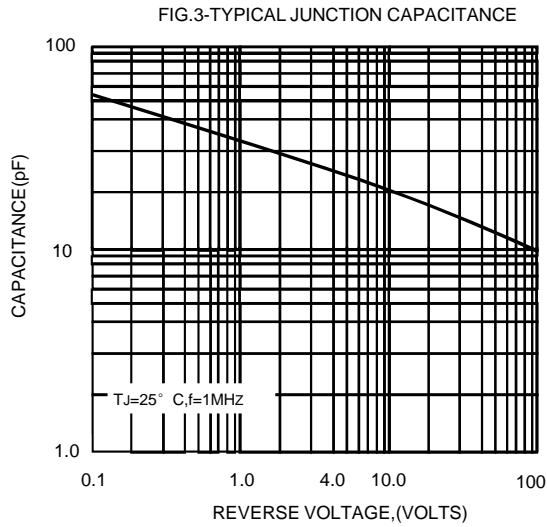
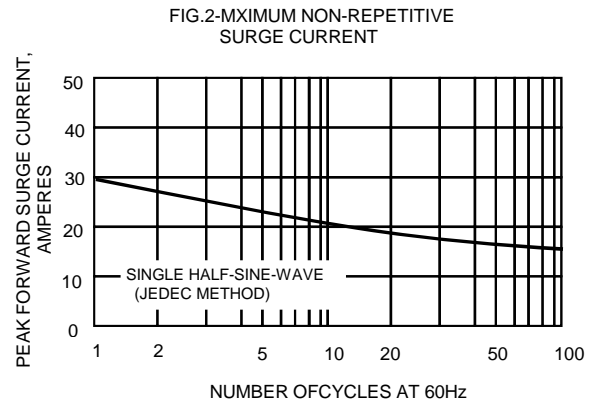
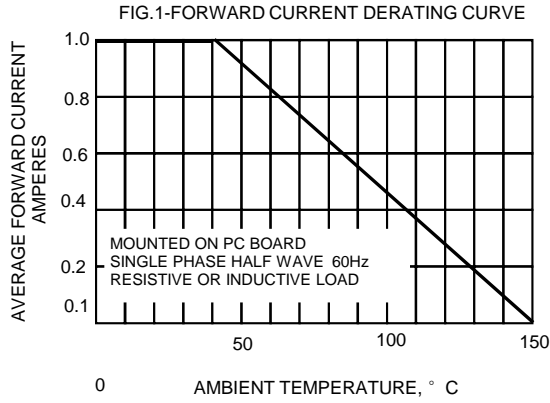
CHARACTERISTICS	SYMBOL	DB101S	DB102S	DB103S	DB104S	DB105S	DB106S	DB107S	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @T _A =40°C	I _(AV)	1.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I _{FSM}	30							A
Maximum Forward Voltage at 1.0A DC	V _F	1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage @T _J =25°C	I _R	10							μA
		@T _J =125°C							500
I ² t Rating for Fusing(t<8.3ms)	I ² t	10.4							A ² s
Typical Junction Capacitance Per Element(Note1)	C _J	25							pF
Typical Thermal Resistance (Note2)	R _{θJA}	40							°C/W
Operating Temperature Range	T _J	-55 to +150							°C
Storage Temperature Range	T _{STG}	-55 to +150							°C

Note: 1. Measured at 1.0MHz and applied reverse voltage of 4.0V DC

2. Thermal resistance from junction to ambient mounted on P.C.B with 0.5*0.5"(13*13mm) copper pads.

DB101S THRU DB107S

RATINGS AND CHARACTERISTIC CURVES DB101S THRU DB107S



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