

DB01M

PRV : 100 Volts

Io : 1.0 Ampere

FEATURES :

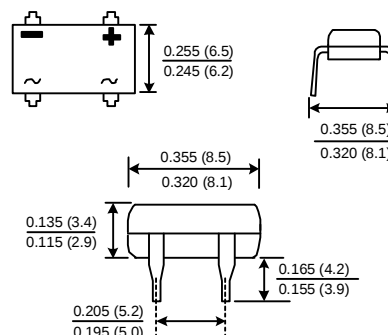
- * High current capability
- * High surge current capability
- * High reliability
- * Low reverse current
- * Low forward voltage drop
- * Ideal for printed circuit board
- * **Pb / RoHS Free**

MECHANICAL DATA :

- * Case : Molded plastic
- * Epoxy : UL94V-O rate flame retardant
- * Terminals : Plated Lead solderable per MIL-STD-202, Method 208
- * Polarity : Polarity symbols marked on body
- * Mounting position : Any
- * Weight : 0.42 gram

SILICON BRIDGE RECTIFIER

DFM



Dimensions in inches and (millimeter)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified.
60 Hz, resistive or inductive load.

RATING	SYMBOL	VALUE	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	100	V
Maximum RMS Voltage	VRMS	70	V
Maximum DC Blocking Voltage	VDC	100	V
Maximum Average Forward Output Rectified Current at Ta = 40°C	IF(AV)	1.0	A
Maximum Peak Forward Surge Current Single half sine wave Superimposed on rated load (JEDEC Method)	IFSM	50	A
Current Squared Time at t < 8.3 ms.	I ² t	10	A ² S
Maximum Instantaneous Forward Voltage per element at IF = 1.0 A	VF	1.1	V
Maximum DC Reverse Current Ta = 25°C	IR	10	μA
at Rated DC Blocking Voltage Ta = 125°C	IR(H)	500	μA
Junction and Storage Temperature Range	TJ, TSTG	- 55 to + 150	°C

Note : (1) Measured at 1.0 MHz and applied reverse voltage of 4.0VDC



RATING AND CHARACTERISTIC CURVES (DB01M)

FIG.1 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

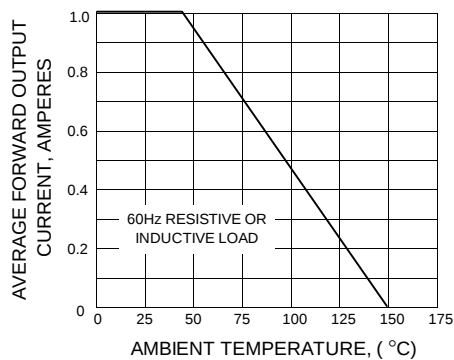


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER BRIDGE ELEMENT

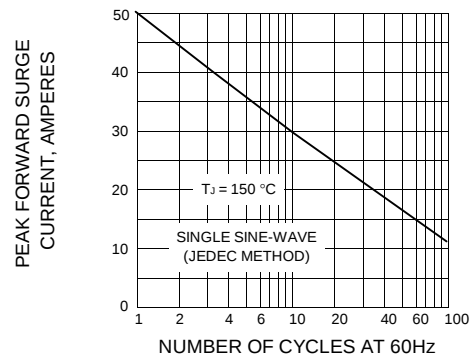


FIG.3 - TYPICAL FORWARD CHARACTERISTICS

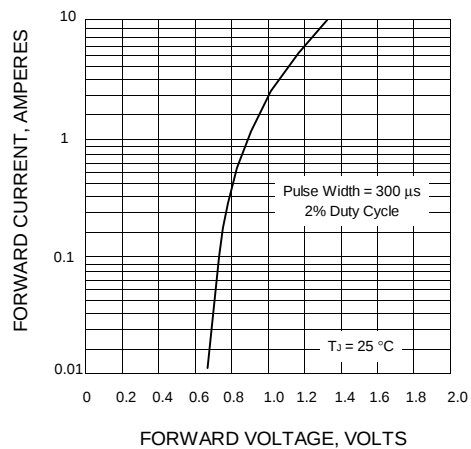


FIG.4 - TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

