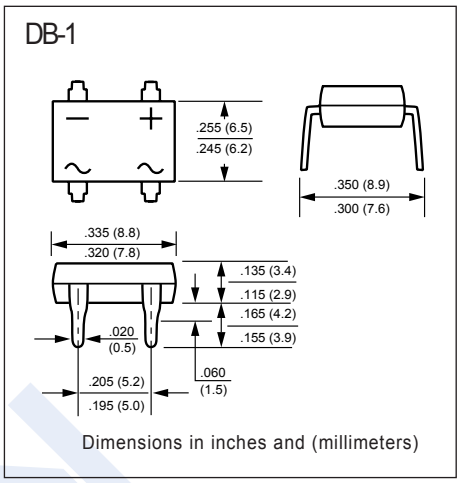
Bridge Rectifier

DB101 ~ DB107



■ Features

- Good for automation insertion
- Surge overload rating - 40 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded
- Glass passivated device
- Polarity symbols molded on body

■ Absolute Maximum Ratings Ta = 25℃

Parameter	Symbol	DB 101	DB 102	DB 103	DB 104	DB 105	DB 106	DB 107	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
RMS Bridge Input Voltage	V_{RMS}	35	70	140	280	420	560	700	
DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	
Forward Voltage @ I_F=1A	V_F	1.1							
Average Forward Output Current @ T_A=40℃	I_O	1							A
Peak Forward Surge Current @ 8.3ms	I_{FSM}	40							
Current Squarad Time	I^2t	6.6							A^2/Sec
Maximum DC Reverse Current Ta=25℃	I_R	5							μA
Ta=125℃		0.5							mA
Thermal Resistance.Junction- to-Ambient	R_{thJA}	40							℃/W
Thermal Resistance.Junction- to-Case	R_{thJC}	15							
Junction Temperature	Tj	150							℃
Storage Temperature	Tstg	-55 to 150							

■ Marking

NO.	DB101	DB102	DB103	DB104	DB105	DB106	DB107
Marking	DB101	DB102	DB103	DB104	DB105	DB106	DB107

Bridge Rectifier

DB101 ~ DB107

■ Typical Characterisitics

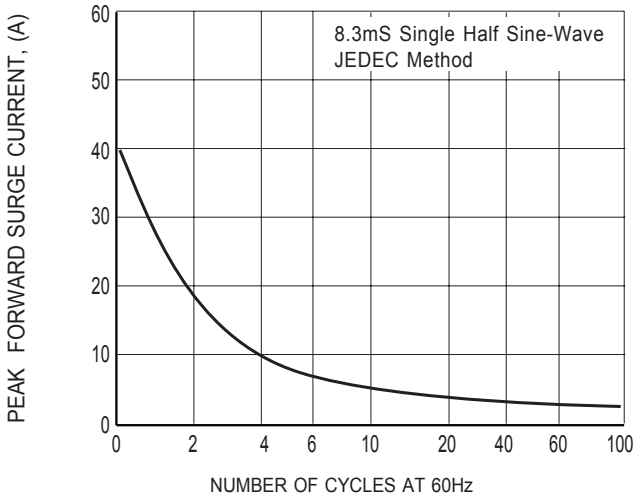


FIG. 1 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

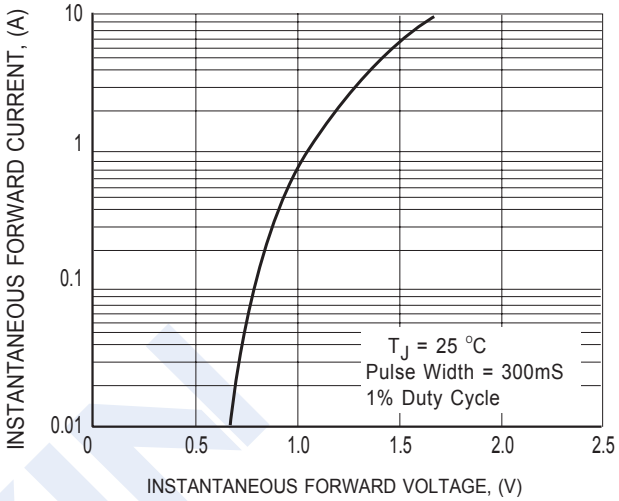


FIG.2 TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

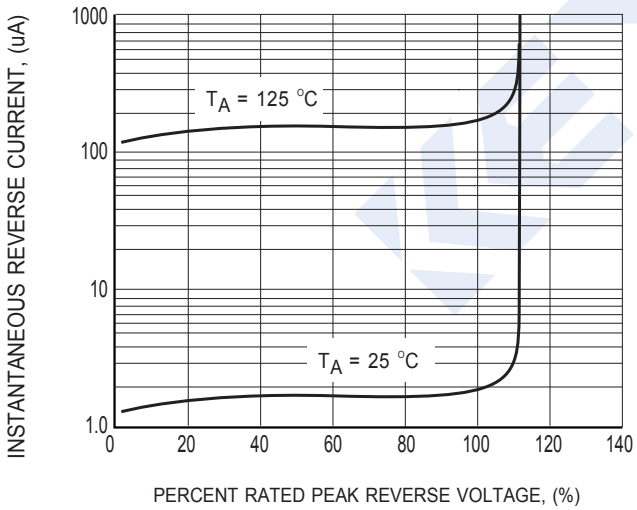


FIG.3 TYPICAL REVERSE CHARACTERISTICS

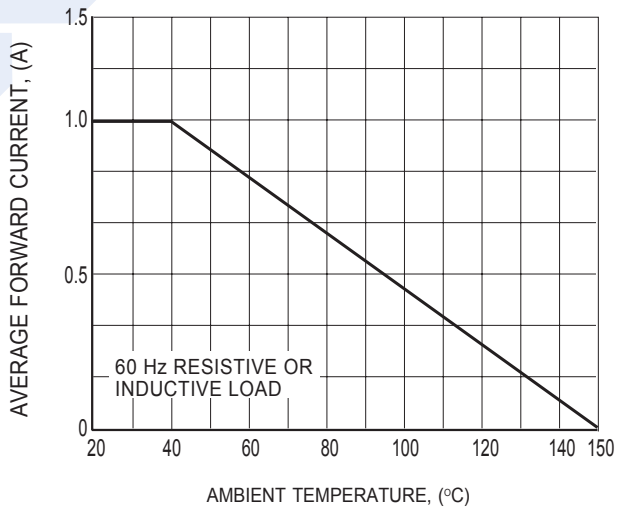


FIG.4 TYPICAL FORWARD CURRENT DERATING CURVE