

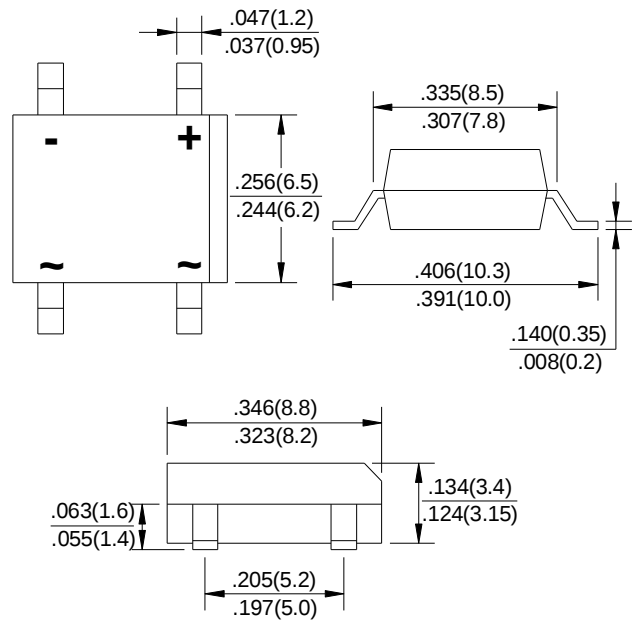
SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIERS		REVERSE VOLTAGE - 50 to 1000Volts FORWARD CURRENT - 2.0 Amperes							
FEATURES ●Rating to 1000V PRV ●Ideal for printed circuit board ●Low forward voltage drop,high current capability ●Reliable low cost construction utilizing molded plastic technique results in inexpensive product ●The plastic material has UL flammability classification 94V-0 MECHANICAL DATA ●Polarit: As marked on Body ●Weight: 0.02 ounces,0.38 grams ●Mounting position: Any		DBS  Dimensions in inches and (millimeters)							
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	DB201S	DB202S	DB203S	DB204S	DB205S	DB206S	DB207S	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @TA=40°C	I(AV)	2.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC .Method)	IFSM	60							A
Maximum Forward Voltage at 2.0A DC	VF	1.1							V
Maximum DC Reverse Current @TJ=25°C at Rated DC Blocking Voltage @TJ=125°C	IR	10 500							µA
I²t Rating for Fusing (t<8.3ms)	I²t	10.4							A²s
Typical Junction capacitance Per Element(Note1)	CJ	25							pF
Typical Thermal Resistance (Note2)	RθJA	40							°C/W
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	TSTG	-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.									



FIG.1-DERATING CURVE FOR
OUTPUT RECTIFIED CURRENT

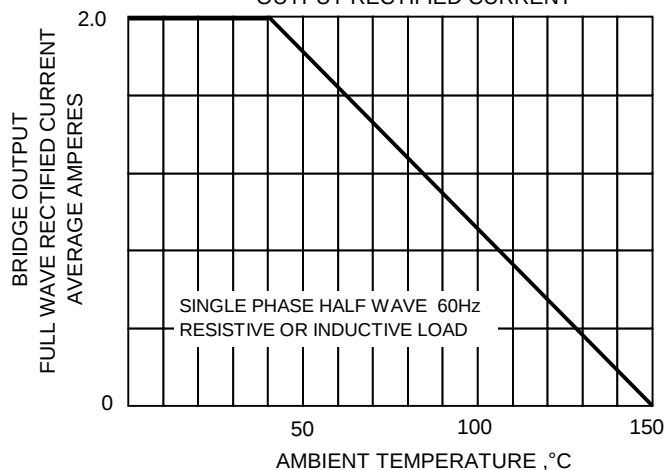


FIG.2-MAXIMUM NON-REPETITIVE PEAK
FORWARD SURGE CURRENT

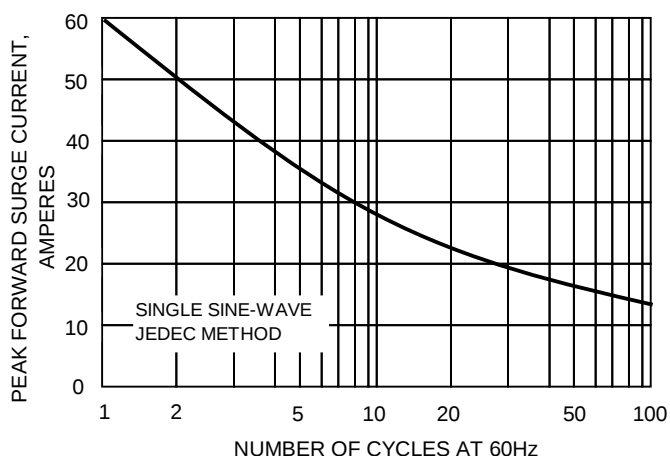


FIG.3-TYPICAL JUNCTION CAPACITANCE

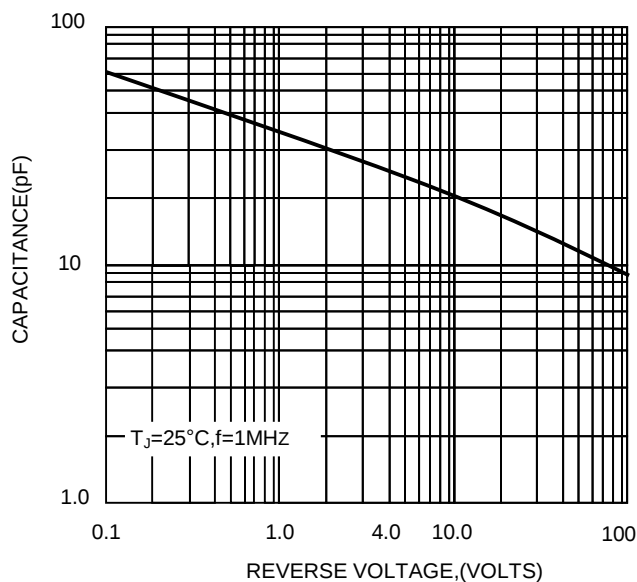


FIG.4-TYPICAL FORWARD CHARACTERISTICS

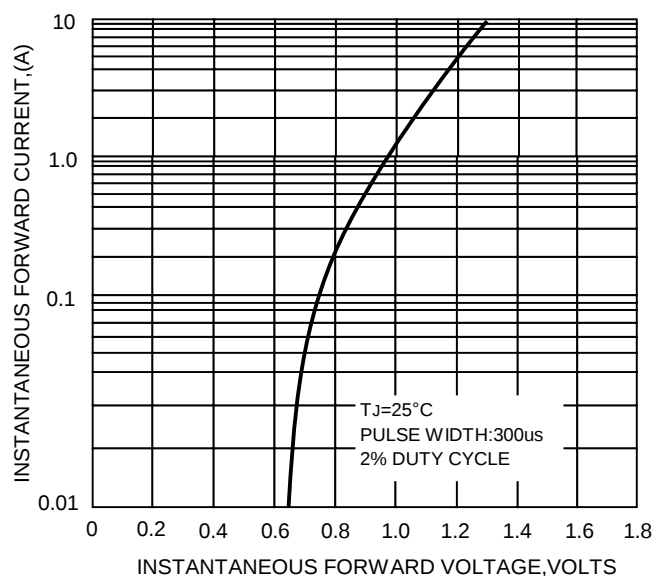


FIG.5-TYPICAL REVERSE CHARACTERISTICS

