

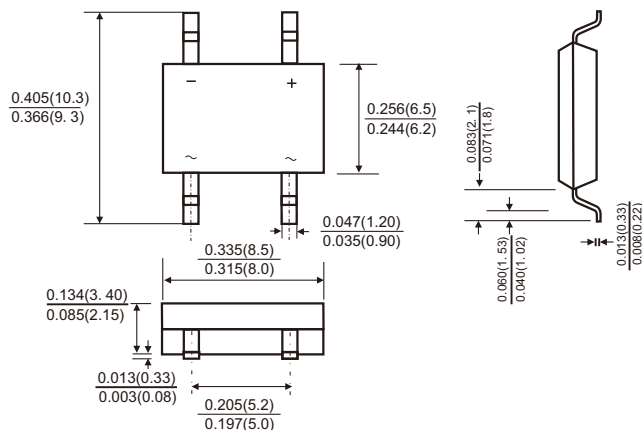
FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Glass passivated chip junction
- Rating to 1400V PRV
- Ideal for printed circuit board
- High temperature soldering guaranteed: 260°C/10 seconds at terminals
- Component in accordance to RoHS 2015/863/EU

MECHANICAL DATA

- Case: DBS molded plastic body
- Terminals: Plated leads solderable per MIL-STD-750, method 2026
- 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%.)

Parameter		Symbols	DB201S	DB202S	DB203S	DB204S	DB205S	DB206S	DB207S	DB208S	DB209S	Units
Maximum Recurrent Peak Reverse Voltage		VRRM	50	100	200	400	600	800	1000	1200	1400	Volts
Maximum RMS Voltage		VRMS	35	70	140	280	420	560	700	840	980	Volts
Maximum DC Blocking Voltage		VDC	50	100	200	400	600	800	1000	1200	1400	Volts
Maximum Average Forward Rectified Current		I(AV)	2.0									Amp
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)		IFSM	50									Amps
Maximum Instantaneous Forward Voltage at 2.0 A DC		VF	1.1									Volts
Maximum DC Reverse Current at rated DC blocking voltage	TA=25°C	IR	10									μA
	TA=125°C		500									
Typical thermal resistance(Note 2)		RθJA	40									°C/W
Operating junction and storage temperature range		TJ TSTG	-55 to +150									°C

Note: 1. Measured at 1MHz and applied reverse voltage of 4.0 Volts.

2. Mounted on P.C.B. With 0.5*0.5 inches(13*13mm) copper pads

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

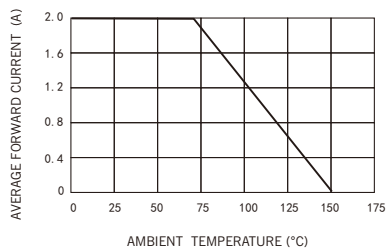


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

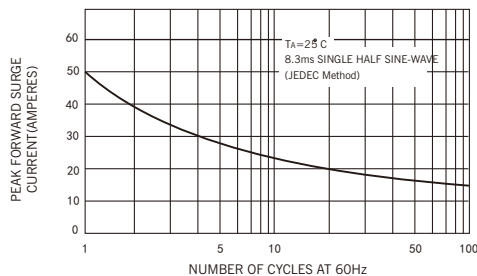


FIG3-TYPICAL JUNCTION CAPACITANCE

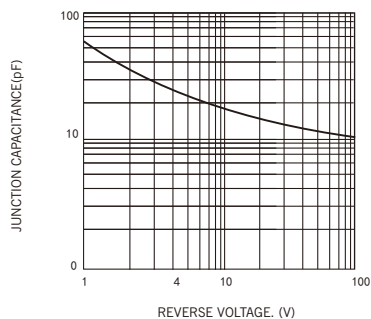


FIG4-TYPICAL FORWARD CHARACTERISTICS

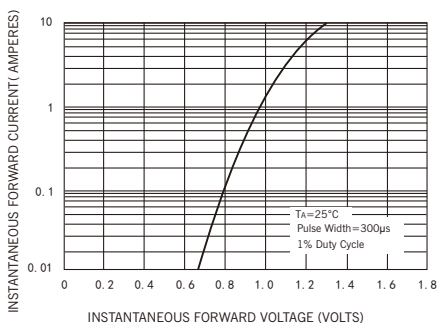
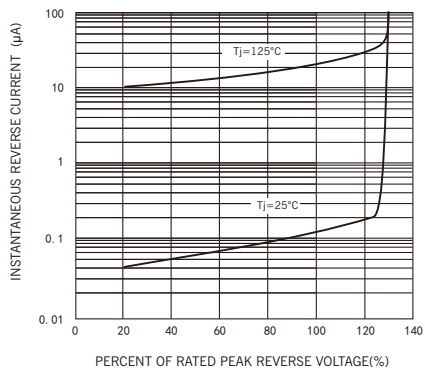


FIG.5-TYPICAL REVERSE CHARACTERISTICS



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