

FEATURES

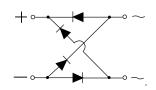
- * Ideal for printed circuit board
- * Reliable low cost construction utilizing molded plastic technique
- * High surge current capability
- * Polarity: marked on body
- * Mounting position: Any



DBS

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
DB301S-DB307S	DBS		1500



Internal Structure

MAXIMUM RATINGS (Ta=25 unless otherwise noted)

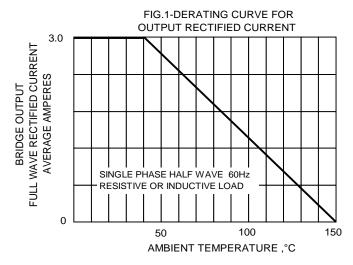
CHARACTERISTICS		DB301S	DB302S	DB303S	DB304S	DB305S	DB306S	DB307S	UNIT
Maximum Recurrent Peak Reverse Voltage		50	100	200	400	600	800	1000	V
Maximum RMS Voltage		35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage		50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @Ta=40°C	I(AV)	3.0							А
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC .Method)	IFSM	IFSM 60					А		
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	lR	10 500						μΑ	
I ² t Rating for Fusing (t<8.3ms)	l ² t	10.4						A ² s	
Typical Junction capacitance Per Element(Note1)	Сл	J 25					pF		
Typical Thermal Resistance (Note2)		40							°C/W
Operating Temperature Range	TJ	-55 to +150				$^{\circ}$			
Storage Temperature Range	Тѕтс	-55 to +150						$^{\circ}\mathbb{C}$	

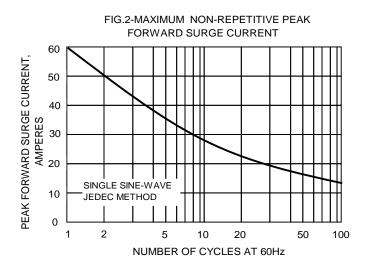
Note:1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC

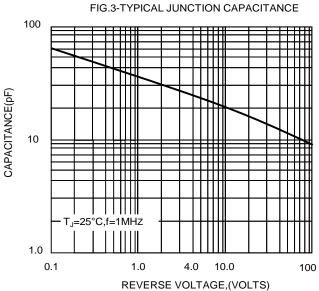
2.Thermal resistance from junction to ambient mounted on P.C.B with 0.5*0.5"(13*13mm) copper pads.

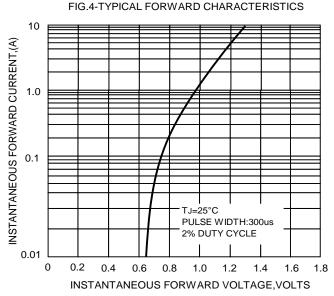


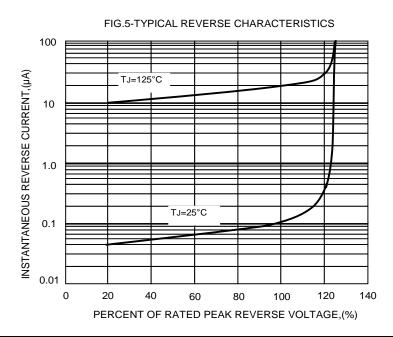
Typical Characteristics





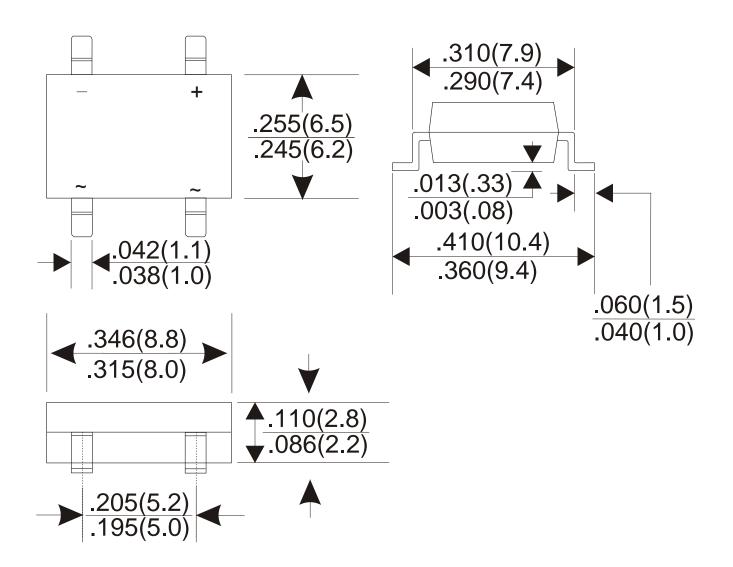








DBS Package Outline Dimensions



Dimensions in inches and (millimeters)



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