



FEATURES

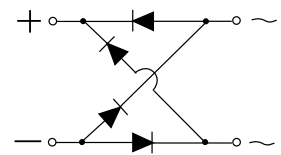
- * Ideal for printed circuit board
- * Reliable low cost construction utilizing molded plastic technique
- * High surge current capability
- * Polarity: marked on body
- * Mounting position: Any
- * Weight: 1.0 grams



DBS

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
DB151S-DB157S	DBS		1500



Internal Structure

MAXIMUM RATINGS (Ta=25 unless otherwise noted)

TYPE NUMBER	DB151S	DB152S	DB153S	DB154S	DB155S	DB156S	DB157S	UNITS
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 .375"(9.5mm) Lead Length at Ta=40°C	1.5							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	60							A
Typical thermal resistance ROJA ROJL	40 15							°C/W
Operating Temperature Range, Tj	-55 — +150							°C
Storage Temperature Range, TSTG	-55 — +150							°C

ELECTRICAL CHARACTERISTICS (At TA = 25°C unless otherwise noted)

CHARACTERISTICS		SYMBOL	DB151S	DB152S	DB153S	DB154S	DB155S	DB156S	DB157S	UNITS
Maximum Forward Voltage Drop per Bridge Element at 1.0A DC		V _F	1.1							Volts
Maximum Reverse Current at rated DC Blocking Voltage per element	@ TA = 25°C	I _R	5.0							uAmps
	@ TA = 125°C		0.5							mAmps

NOTE: Suffix "-s" Surface Mount for Dip Bridge.



Typical Characteristics

FIG. 1 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

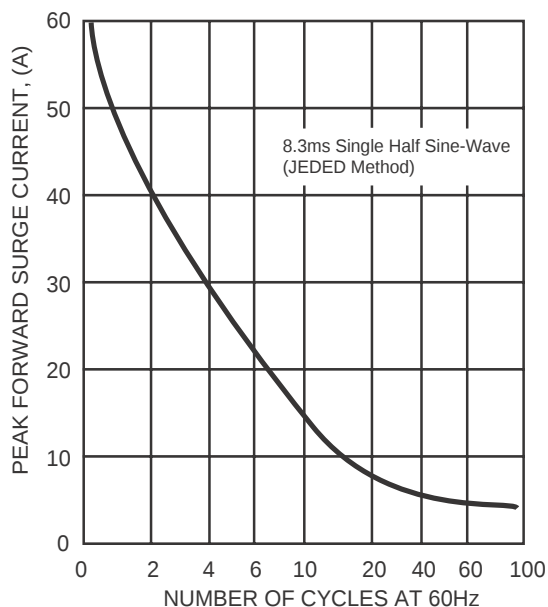


FIG. 2 - TYPICAL FORWARD CURRENT DERATING CURVE

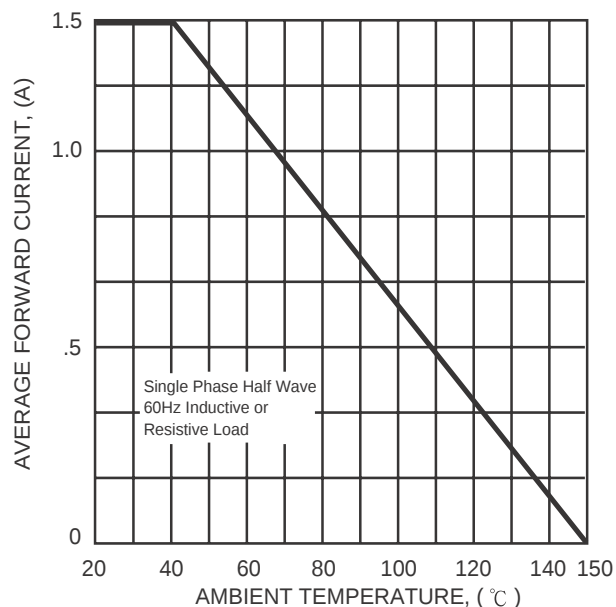


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

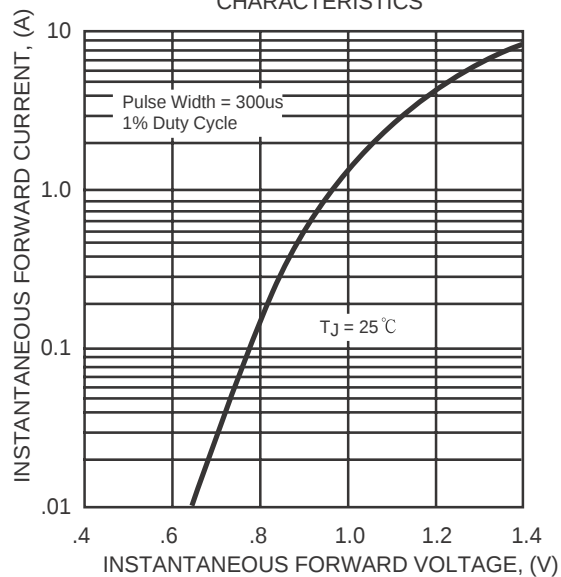
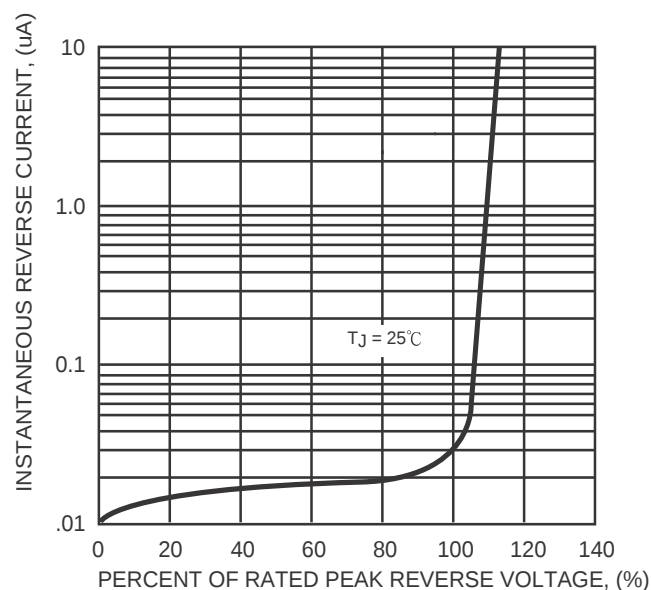
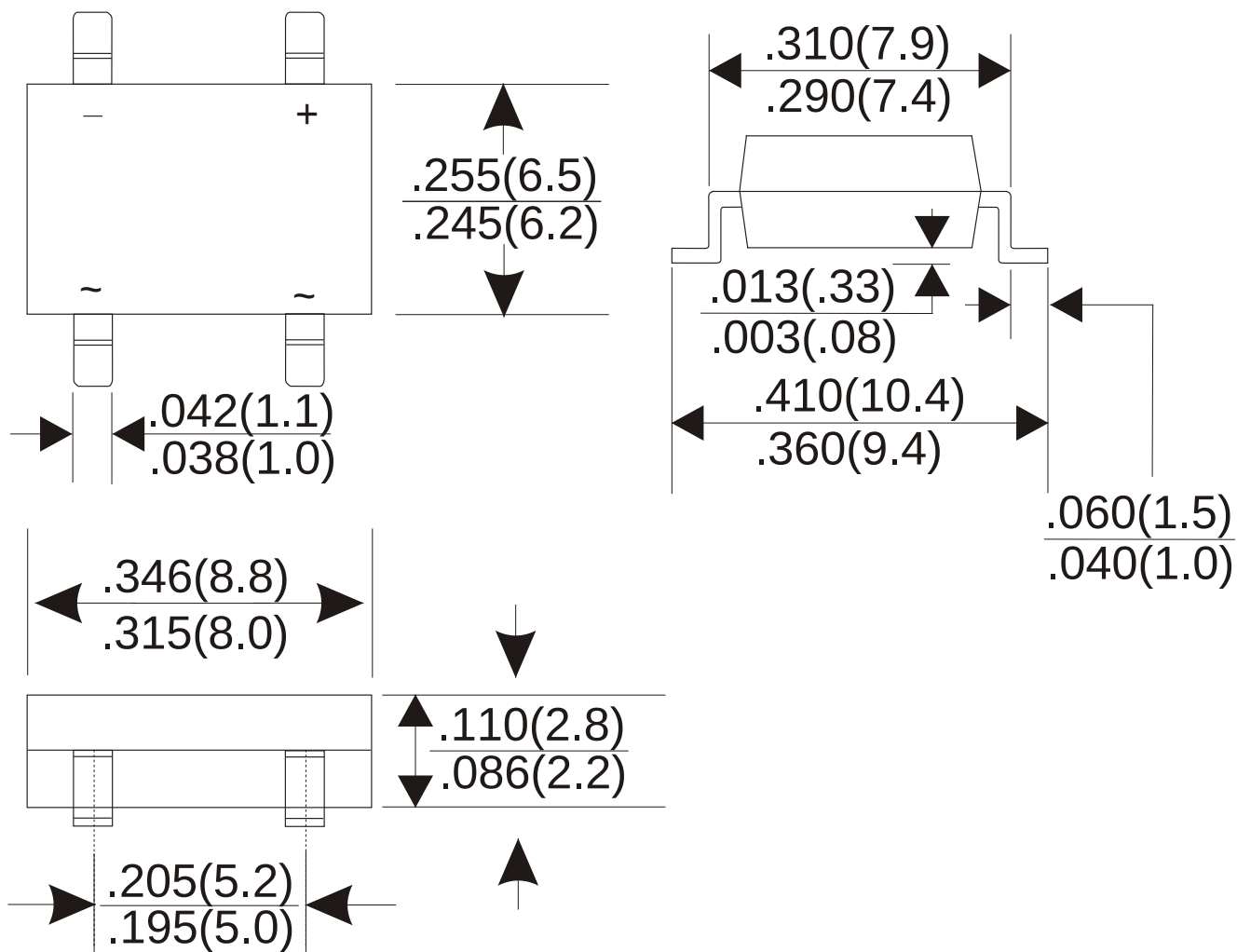


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS





DBS Package Outline Dimensions



Dimensions in inches and (millimeters)



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