

SB320A thru SB360A

Vishay General Semiconductor



ELECTRICAL CHARACTERISTICS (T _A = 25 °C unless otherwise noted)									
PARAMETER	TEST CONDITIONS		SYMBOL	SB320A	SB330A	SB340A	SB350A	SB360A	UNIT
Maximum instantaneous forward voltage	3.0 A		V _F ⁽¹⁾	0.50			0.70		V
Maximum reverse current at rated V _R		T _A = 25 °C	I _R ⁽²⁾	0.5					mA
		T _A = 100 °C		20			10		

Notes

(1) Pulse test: 300 μs pulse width, 1 % duty cycle(2) Pulse test: Pulse width $\leq 40\text{ ms}$

THERMAL CHARACTERISTICS (T _A = 25 °C unless otherwise noted)							
PARAMETER	SYMBOL	SB320A	SB330A	SB340A	SB350A	SB360A	UNIT
Typical thermal resistance	R _{θJA} ⁽¹⁾	40					°C/W
	R _{θJL} ⁽¹⁾	12					

Note

(1) Thermal resistance from junction to lead vertical P.C.B. mounting, 0.500" (12.7 mm) lead length with 2.5" x 2.5" (63.5 mm x 63.5 mm) copper pad

ORDERING INFORMATION (Example)				
PREFERRED P/N	UNIT WEIGHT (g)	PREFERRED PACKAGE CODE	BASE QUANTITY	DELIVERY MODE
SB340A-E3/54	1.077	54	1400	13" diameter paper tape and reel
SB340A-E3/73	1.077	73	1000	Ammo pack packaging

RATINGS AND CHARACTERISTICS CURVES

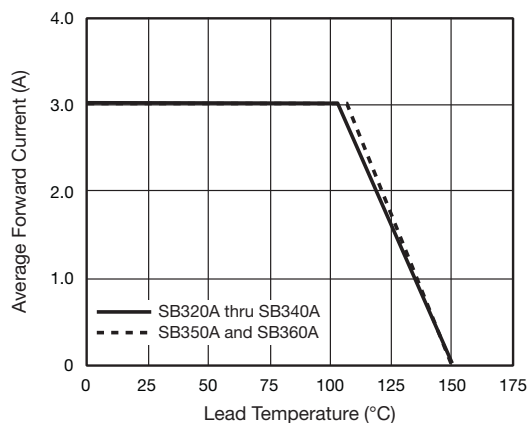
($T_A = 25\text{ }^{\circ}\text{C}$ unless otherwise noted)

Fig. 1 - Forward Current Derating Curve

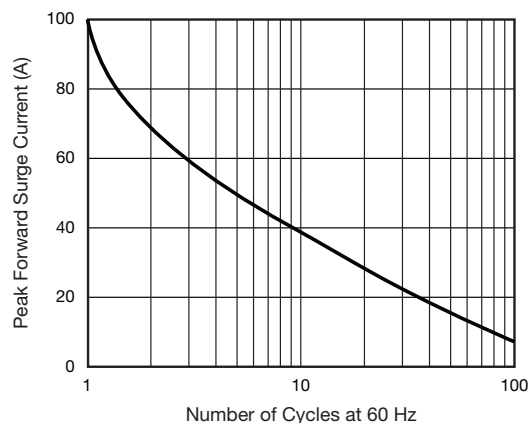


Fig. 2 - Forward Current Derating Curve



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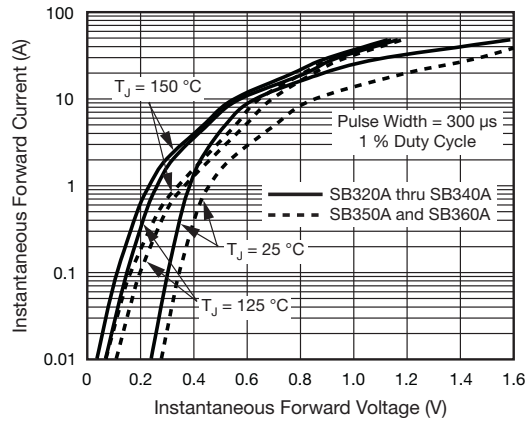


Fig. 3 - Typical Instantaneous Forward Characteristics

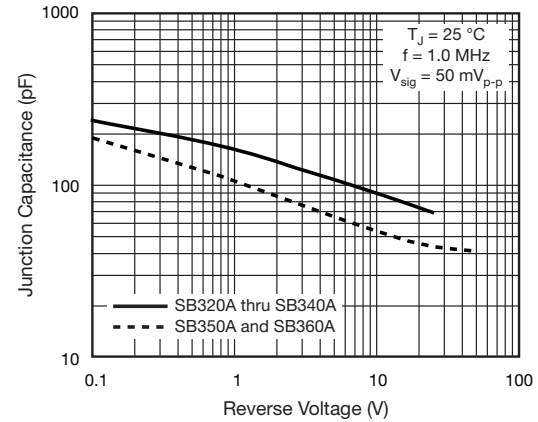


Fig. 5 - Typical Junction Capacitance

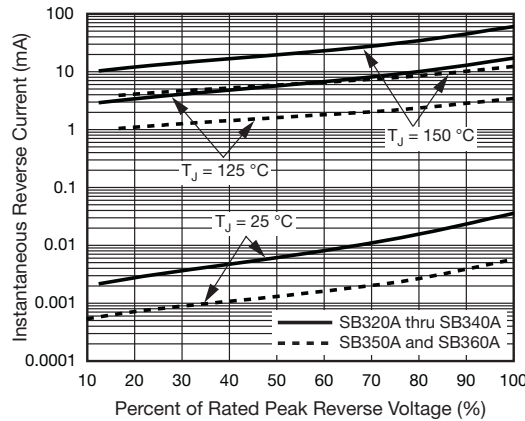


Fig. 4 - Typical Reverse Characteristics

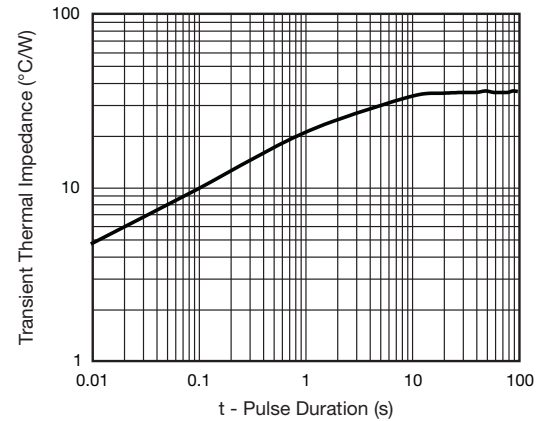
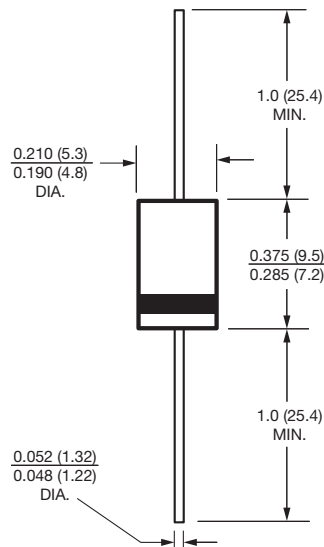


Fig. 6 - Typical Transient Thermal Impedance

PACKAGE OUTLINE DIMENSIONS in inches (millimeters)

DO-201AD





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