



ELECTRICAL CHARACTERISTICS ($T_A = 25\text{ }^\circ\text{C}$ unless otherwise noted)									
PARAMETER	TEST CONDITIONS	SYMBOL	SB220	SB230	SB240	SB250	SB260	UNIT	
Maximum instantaneous forward voltage	2.0 A	$V_F^{(1)}$	0.50			0.68		V	
Maximum instantaneous reverse current at rated DC blocking voltage	$T_A = 25\text{ }^\circ\text{C}$	$I_R^{(1)}$	0.50				8.0		mA
	$T_A = 100\text{ }^\circ\text{C}$		15						
Typical junction capacitance		C_J	170				pF		

Note

(1) Pulse test: 300 μs pulse width, 1 % duty cycle

THERMAL CHARACTERISTICS ($T_A = 25\text{ }^\circ\text{C}$ unless otherwise noted)							
PARAMETER	SYMBOL	SB220	SB230	SB240	SB250	SB260	UNIT
Typical thermal resistance	$R_{\theta JA}^{(1)}$	45				$^\circ\text{C/W}$	
	$R_{\theta JL}^{(1)}$	14					

Note

(1) Thermal resistance junction to lead PCB mounted 0.375" (9.5 mm) lead length

ORDERING INFORMATION (Example)				
PREFERRED P/N	UNIT WEIGHT (g)	PREFERRED PACKAGE CODE	BASE QUANTITY	DELIVERY MODE
SB240-E3/54	0.398	54	4000	13" diameter paper tape and reel
SB240-E3/73	0.398	73	2000	Ammo pack packaging

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

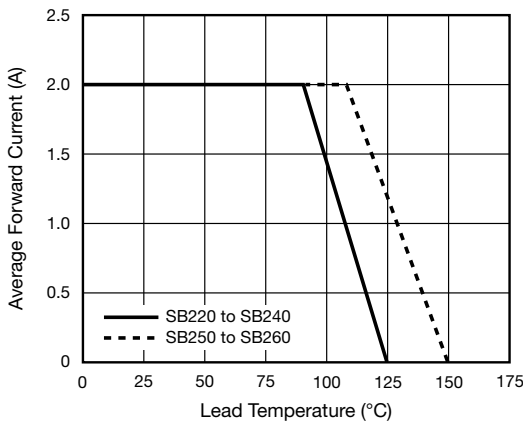


Fig. 1 - Forward Current Derating Curve

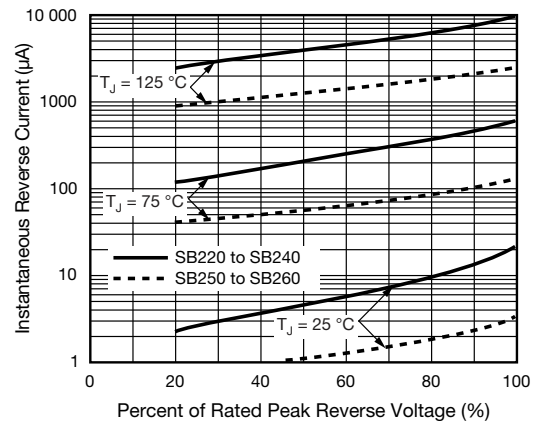


Fig. 4 - Typical Reverse Characteristics

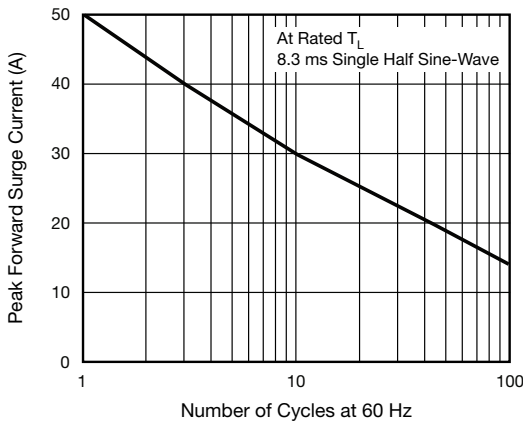


Fig. 2 - Maximum Non-Repetitive Surge Current

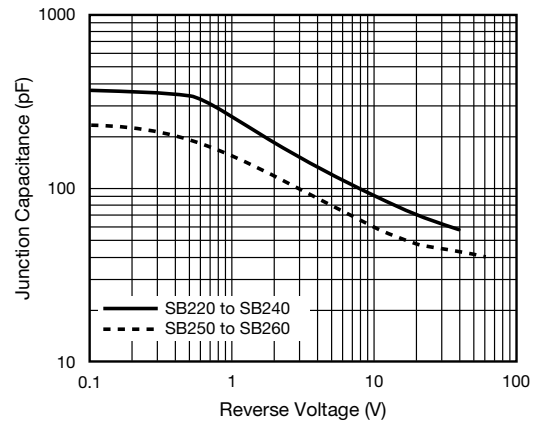


Fig. 5 - Typical Junction Capacitance

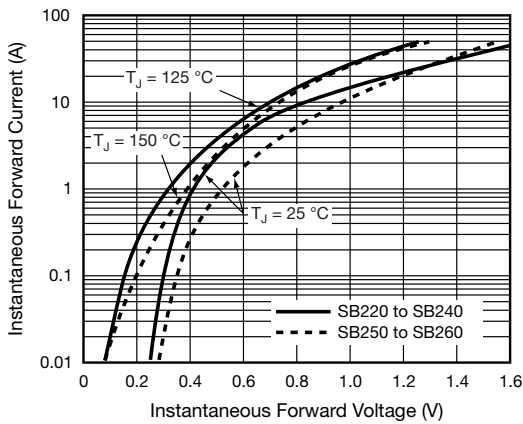


Fig. 3 - Typical Instantaneous Forward Characteristics

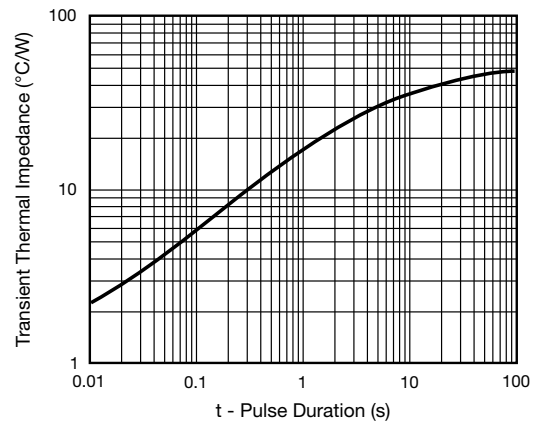
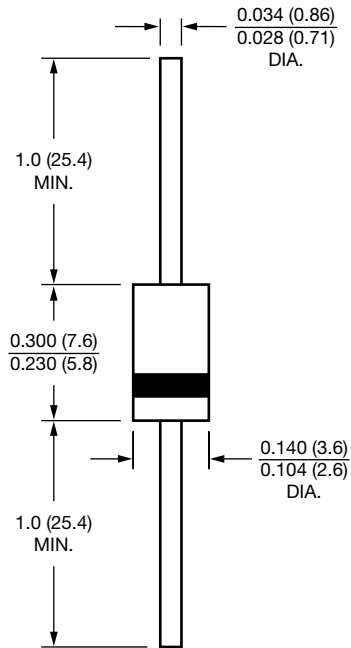


Fig. 6 - Typical Transient Thermal Impedance



PACKAGE OUTLINE DIMENSIONS in inches (millimeters)

DO-15 (DO-204AC)





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