S1BA thru S1MA

Vishay General Semiconductor



THERMAL CHARACTERISTICS (T _A = 25 °C unless otherwise noted)									
PARAMETER	SYMBOL	S1BA	S1DA	S1GA	S1JA	S1KA	S1MA	UNIT	
Typical thermal resistance	R _{0JA} (1)	95						°C/W	
	R ₀ JL ⁽¹⁾	22							

Note

⁽¹⁾ Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.2" x 0.2" (5.0 mm x 5.0 mm) copper pad areas

ORDERING INFORMATION (Example)							
PREFERRED P/N	UNIT WEIGHT (g) PREFERRED PACKAGE CO		BASE QUANTITY	DELIVERY MODE			
S1JA-E3/61T	0.064	61T	1800	7" diameter plastic tape and reel			
S1JA-E3/5AT	0.064	5AT	7500	13" diameter plastic tape and reel			

RATINGS AND CHARACTERISTICS CURVES

(T_A = 25 °C unless otherwise noted)

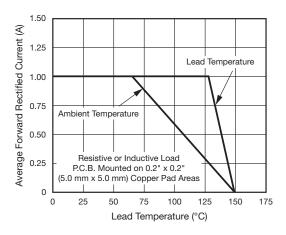


Fig. 1 - Maximum Forward Current Derating Curve

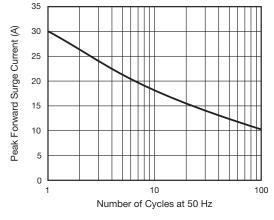


Fig. 3 - Maximum Non-Repetitive Peak Forward Surge Current

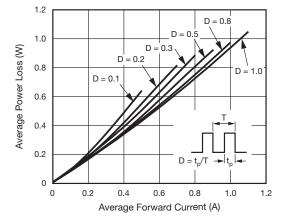


Fig. 2 - Forward Power Loss Characteristics

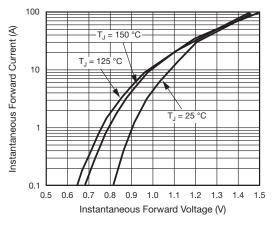


Fig. 4 - Typical Instantaneous Forward Characteristics

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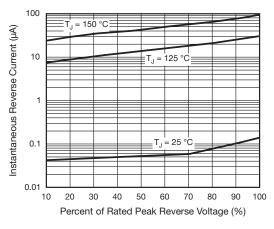


Fig. 5 - Typical Reverse Leakage Characteristics

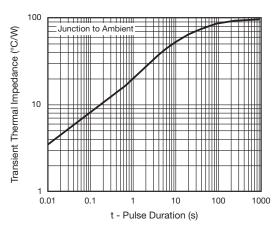


Fig. 7 - Typical Transient Thermal Impedance

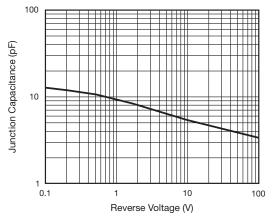
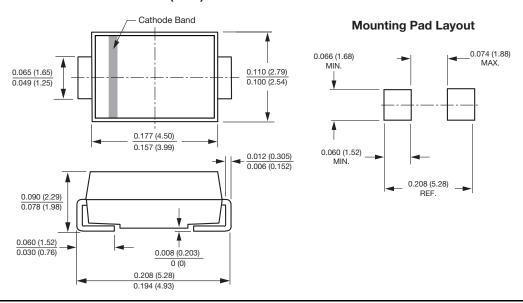


Fig. 6 - Typical Junction Capacitance

PACKAGE OUTLINE DIMENSIONS in inches (millimeters) DO-214AC (SMA)



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