

THERMAL CHARACTERISTICS ($T_A = 25\text{ }^{\circ}\text{C}$ unless otherwise noted)			
PARAMETER	SYMBOL	SS3P4	UNIT
Typical thermal resistance ⁽¹⁾	$R_{\theta JA}$	85	$^{\circ}\text{C/W}$
	$R_{\theta JL}$	15	
	$R_{\theta JC}$	20	

Note:

(1) Thermal resistance from junction to ambient and junction to lead mounted on P.C.B. with 15 x 15 mm copper pad areas. $R_{\theta JL}$ is measured at the terminal of cathode band. $R_{\theta JC}$ is measured at the top centre of the body

ORDERING INFORMATION (Example)				
PREFERRED P/N	UNIT WEIGHT (g)	PREFERRED PACKAGE CODE	BASE QUANTITY	DELIVERY MODE
SS3P4-E3/84A	0.024	84A	3000	7" diameter plastic tape and reel
SS3P4-E3/85A	0.024	85A	10 000	13" diameter plastic tape and reel
SS3P4HE3/84A ⁽¹⁾	0.024	84A	3000	7" diameter plastic tape and reel
SS3P4HE3/85A ⁽¹⁾	0.024	85A	10 000	13" diameter plastic tape and reel

Note:

(1) Automotive grade AEC-Q101 qualified

RATINGS AND CHARACTERISTICS CURVES

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

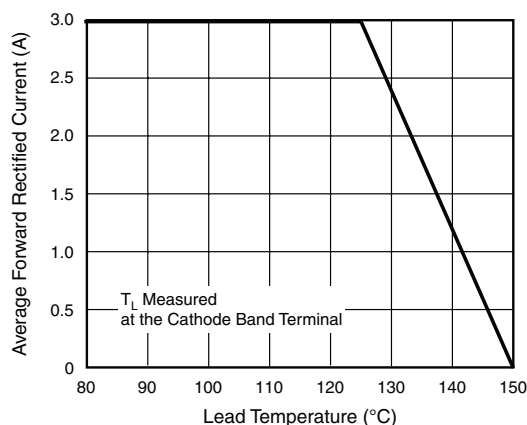


Figure 1. Forward Current Derating Curve

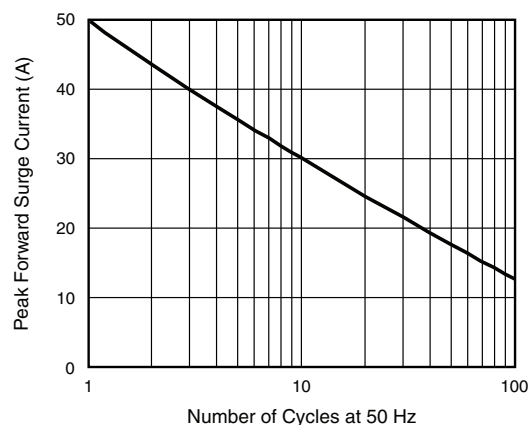


Figure 2. Maximum Non-Repetitive Peak Forward Surge Current

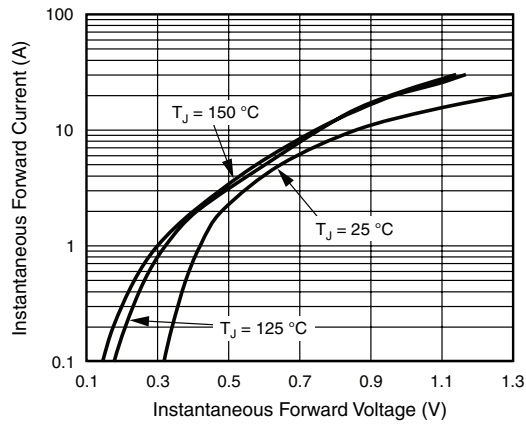


Figure 3. Typical Instantaneous Forward Characteristics

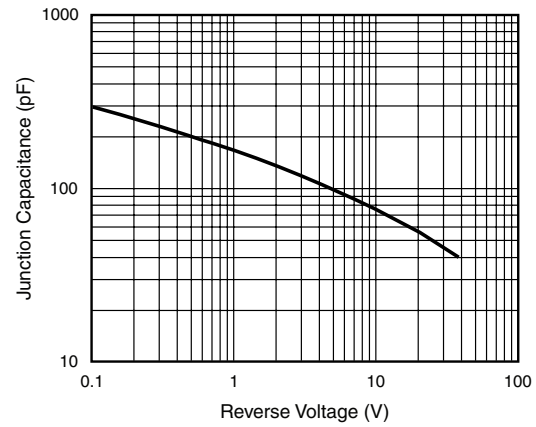


Figure 5. Typical Junction Capacitance

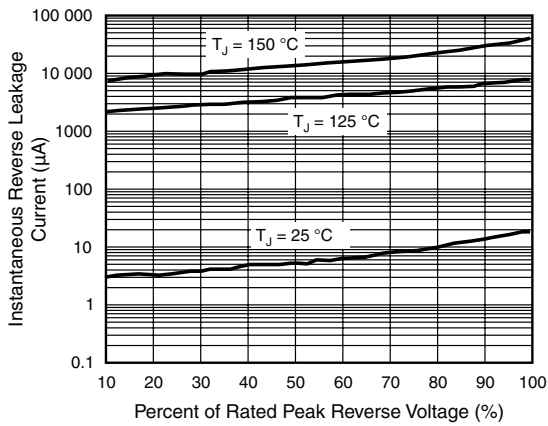


Figure 4. Typical Reverse Leakage Characteristics

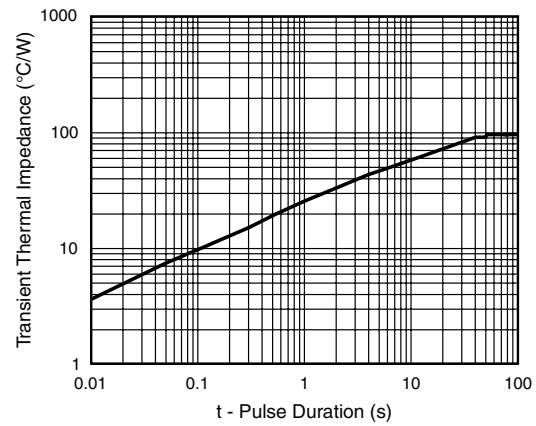
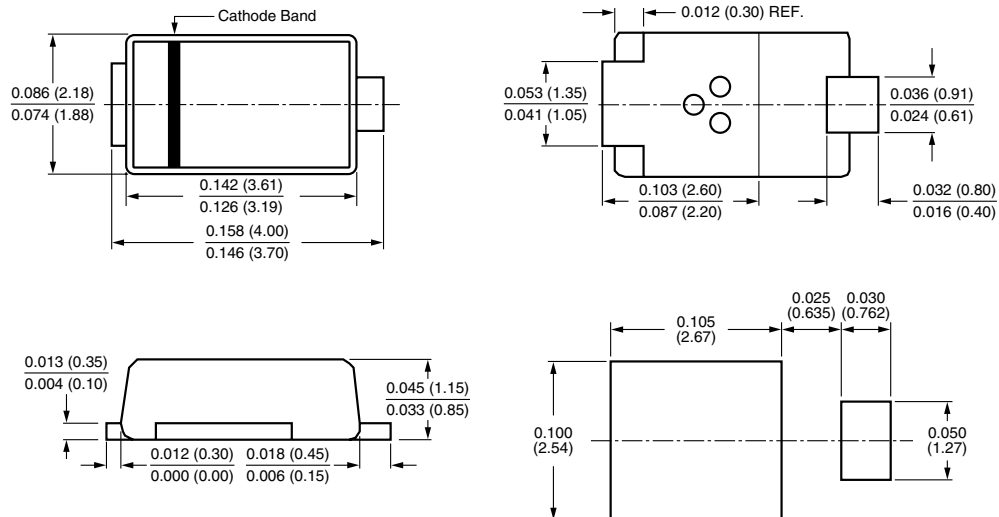


Figure 6. Typical Transient Thermal Impedance

PACKAGE OUTLINE DIMENSIONS in inches (millimeters)

DO-220AA (SMP)





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