ELECTRICAL CHARACTERISTICS (T_A = 25 °C unless otherwise noted)						
PARAMETER	TEST CONDITIONS		SYMBOL	TYP.	MAX.	UNIT
Maximum instantaneous forward voltage	I_F = 1.5 A	T_A = 25 °C	V_F (1)	0.464	-	V
	I_F = 3.0 A			0.542	0.60	
	I_F = 1.5 A	T_A = 125 °C		0.379	-	
	I_F = 3.0 A			0.478	0.54	
Maximum reverse current	Rated V_R	T_A = 25 °C	I_R (2)	8.4	150	µA
		T_A = 125 °C		3.4	15	mA
Typical junction capacitance	4.0 V, 1 MHz		C_J	200	-	pF

Notes

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

(2) Pulse test: Pulse width ≤ 40 ms

THERMAL CHARACTERISTICS (T_A = 25 °C unless otherwise specified)				
PARAMETER	SYMBOL	SS3P5L	SS3P6L	UNIT
Typical thermal resistance	$R_{\theta JA}$ (1)	65		°C/W
	$R_{\theta JL}$	3		

Note

(1) Units mounted on recommended PCB 1 oz. pad layout

ORDERING INFORMATION (Example)				
PREFERRED P/N	UNIT WEIGHT (g)	PACKAGE CODE	BASE QUANTITY	DELIVERY MODE
SS3P5L-M3/86A	0.10	86A	1500	7" diameter plastic tape and reel
SS3P5L-M3/87A	0.10	87A	6500	13" diameter plastic tape and reel
SS3P5LHM3/86A (1)	0.10	86A	1500	7" diameter plastic tape and reel
SS3P5LHM3/87A (1)	0.10	87A	6500	13" diameter plastic tape and reel
SS3P5LHM3_A/H (1)	0.10	H	1500	7" diameter plastic tape and reel
SS3P5LHM3_A/I (1)	0.10	I	6500	13" diameter plastic tape and reel

Note

(1) AEC-Q101 qualified

RATINGS AND CHARACTERISTICS CURVES (T_A = 25 °C unless otherwise noted)

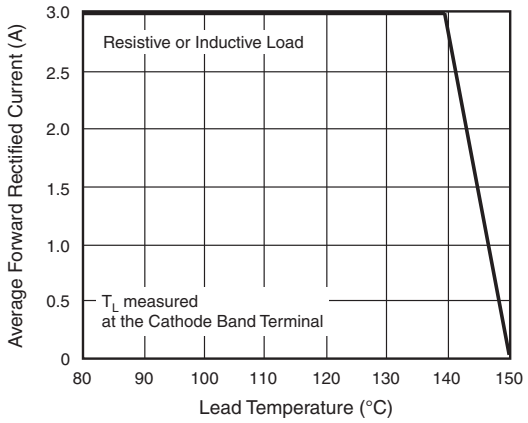


Fig. 1 - Maximum Forward Current Derating Curve

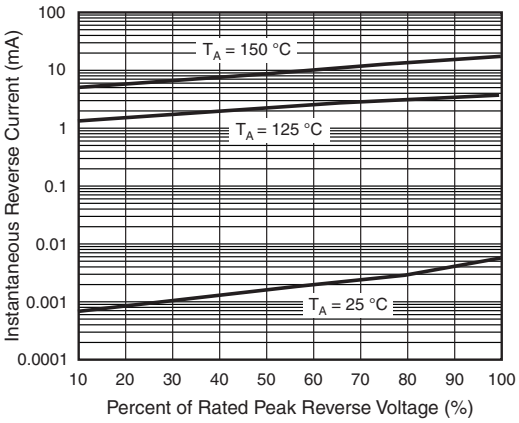


Fig. 4 - Typical Reverse Characteristics

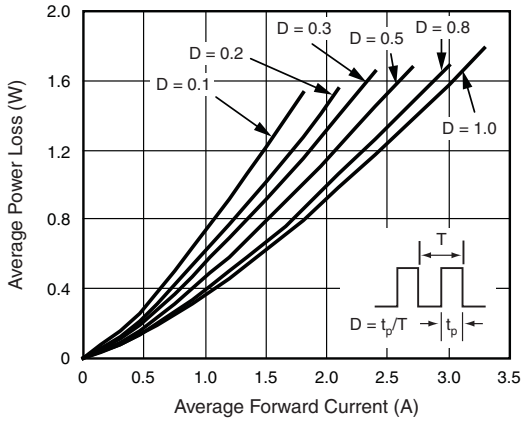


Fig. 2 - Forward Power Loss Characteristics

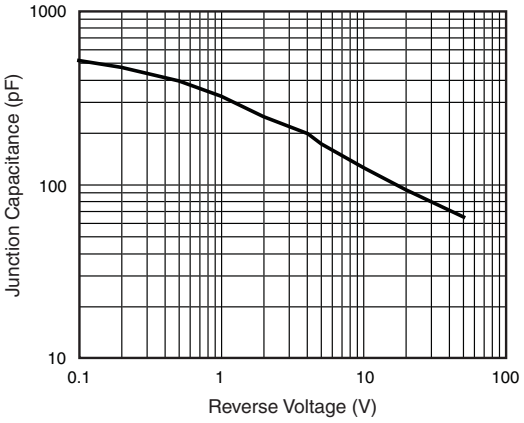


Fig. 5 - Typical Junction Capacitance

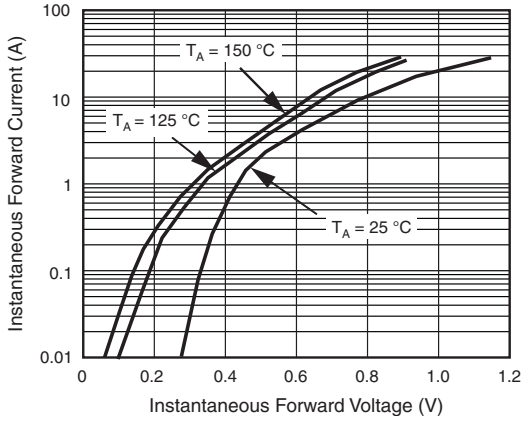


Fig. 3 - Typical Instantaneous Forward Characteristics

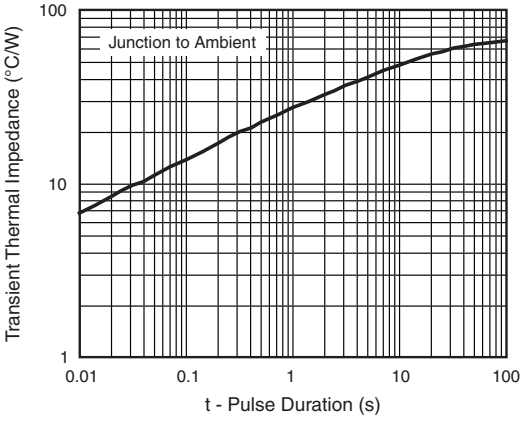
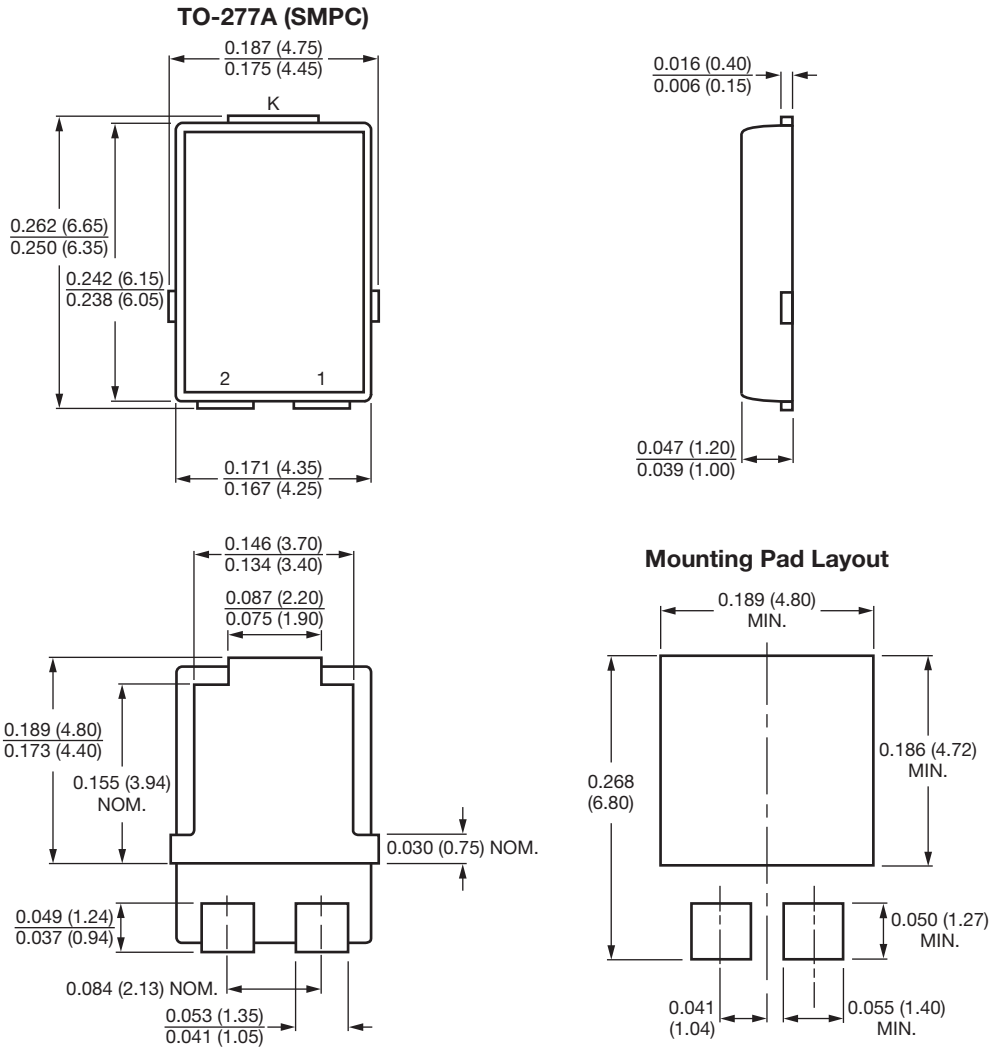


Fig. 6 - Typical Transient Thermal Impedance

PACKAGE OUTLINE DIMENSIONS in inches (millimeters)



Conform to JEDEC® TO-277A

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