



ELECTRICAL CHARACTERISTICS ($T_A = 25\text{ }^\circ\text{C}$ unless otherwise noted)					
PARAMETER	TEST CONDITIONS	SYMBOL	SS2H9	SS2H10	UNIT
Maximum instantaneous forward voltage ⁽¹⁾	$I_F = 2.0\text{ A}$	$T_J = 25\text{ }^\circ\text{C}$	0.79		V
		$T_J = 125\text{ }^\circ\text{C}$	0.65		
Maximum reverse current at rated V_R ⁽²⁾		$T_J = 25\text{ }^\circ\text{C}$	10		μA
		$T_J = 125\text{ }^\circ\text{C}$	4		mA

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

THERMAL CHARACTERISTICS ($T_A = 25\text{ }^\circ\text{C}$ unless otherwise noted)				
PARAMETER	SYMBOL	SS2H9	SS2H10	UNIT
Maximum thermal resistance junction-to-lead $T_L = 25\text{ }^\circ\text{C}$ ⁽¹⁾	$R_{\theta JA}$	80		$^\circ\text{C/W}$
	$R_{\theta JL}$	25		

Note

(1) Units mounted on PCB 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 CODE	BASE QUANTITY	DELIVERY MODE
SS2H10-E3/52T	0.096	52T	750	7" diameter plastic tape and reel
SS2H10-E3/5BT	0.096	5BT	3200	13" diameter plastic tape and reel
SS2H10HE3_A/H ⁽¹⁾	0.096	H	750	7" diameter plastic tape and reel
SS2H10HE3_A/I ⁽¹⁾	0.096	I	3200	13" diameter plastic tape and reel
SS2H10-M3/52T	0.096	52T	750	7" diameter plastic tape and reel
SS2H10-M3/5BT	0.096	5BT	3200	13" diameter plastic tape and reel
SS2H10HM3_A/H ⁽¹⁾	0.096	H	750	7" diameter plastic tape and reel
SS2H10HM3_A/I ⁽¹⁾	0.096	I	3200	13" diameter plastic tape and reel

Note

(1) AEC-Q101 qualified

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

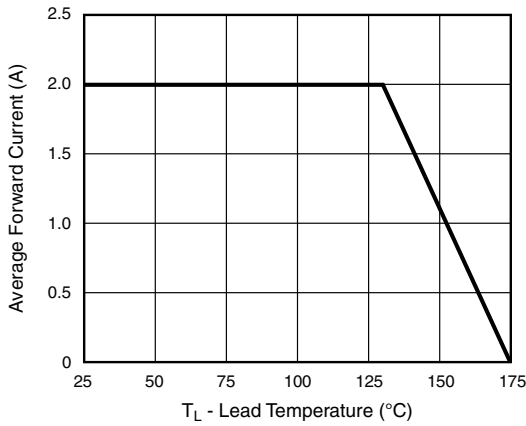


Fig. 1 - Forward Current Derating Curve

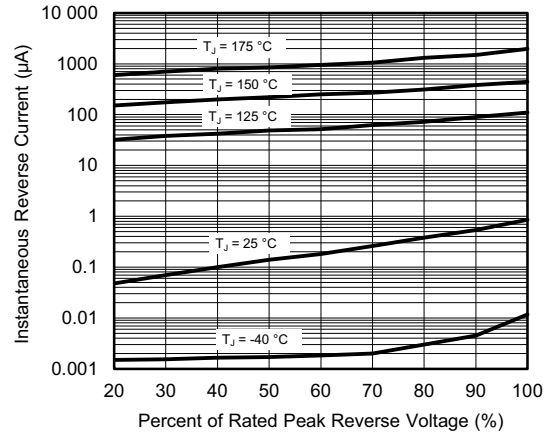


Fig. 4 - Typical Reverse Characteristics

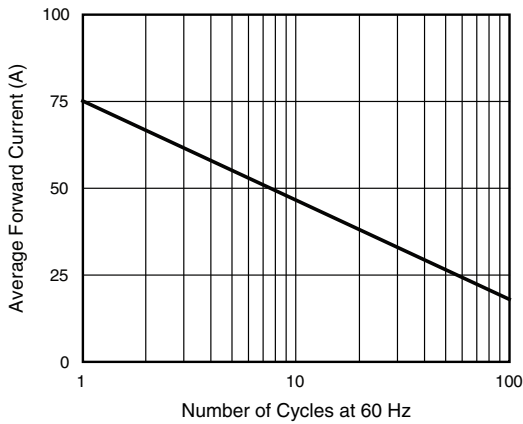


Fig. 2 - Max Non-Repetitive Peak Forward Surge Current

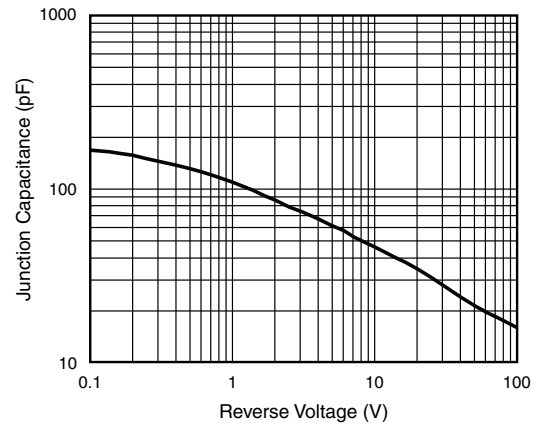


Fig. 5 - Typical Junction Capacitance

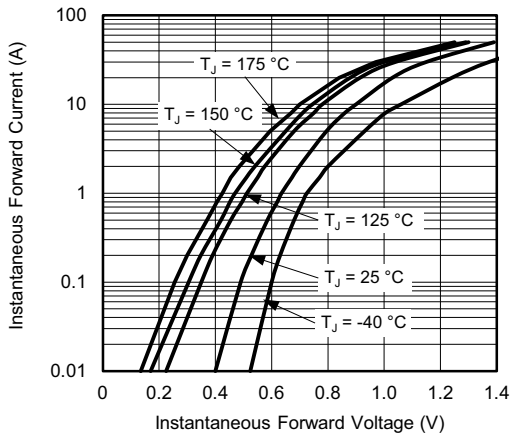


Fig. 3 - Typical Instantaneous Forward Characteristics

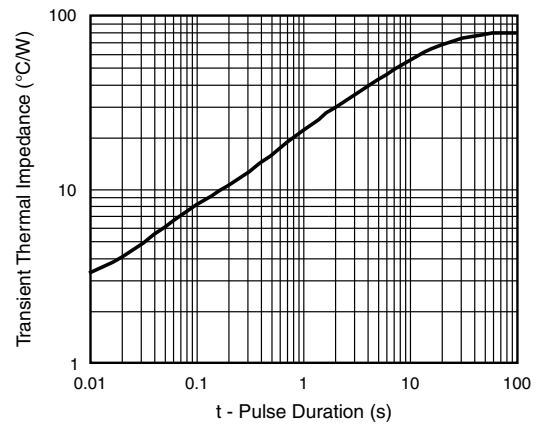
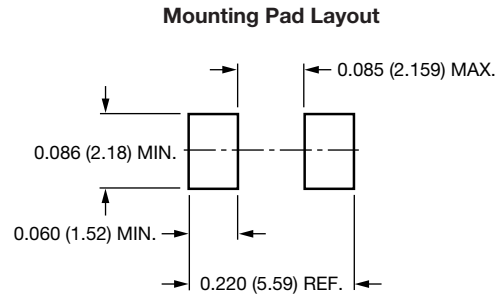
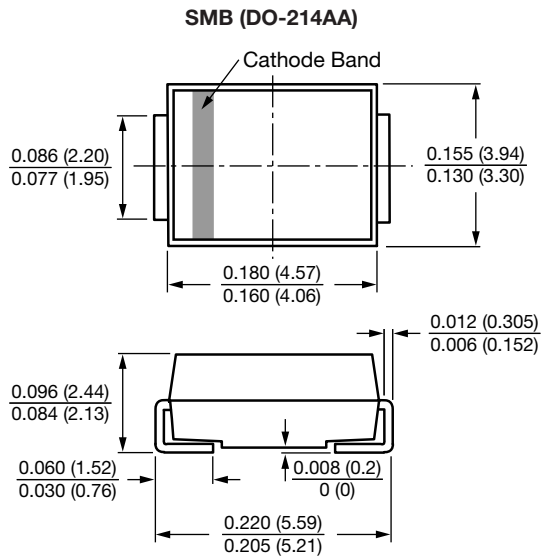


Fig. 6 - Typical Transient Thermal Impedance Per Leg



PACKAGE OUTLINE DIMENSIONS in inches (millimeters)





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