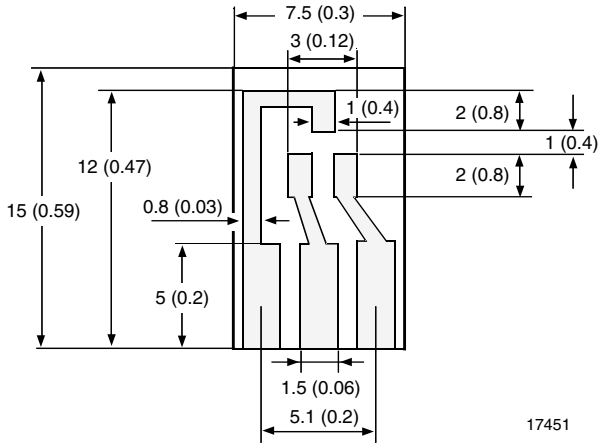
ELECTRICAL CHARACTERISTICS (T_{amb} = 25 °C, unless otherwise specified)						
PARAMETER	**TEST CONDITION**	**SYMBOL**	**MIN.**	**TYP.**	**MAX.**	**UNIT**
Forward voltage	I_F = 10 mA	V_F			1.0	V
Leakage current	V_R = 70 V	I_R			2.5	µA
	V_R = 70 V, Tj = 150 °C	I_R			50	µA
	V_R = 25 V, Tj = 150 °C	I_R			30	µA
Diode capacitance	$V_F = V_R$ = 0	C_D			4	pF
Reverse recovery time (see figures)	I_F = 10 mA to i_R = 1 mA, V_R = 6 V, R_L = 100 Ω	t_{rr}			4	ns

LAYOUT FOR R_{thJA} TEST

Thickness:
Fiberglass 1.5 mm (0.059 inches)
Copper leads 0.3 mm (0.012 inches)



TYPICAL CHARACTERISTICS (T_{amb} = 25 °C, unless otherwise specified)

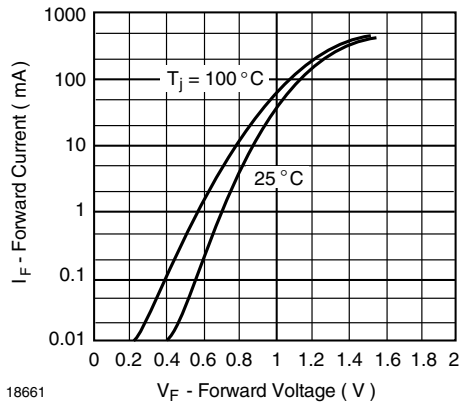


Fig. 1 - Forward Current vs. Forward Voltage

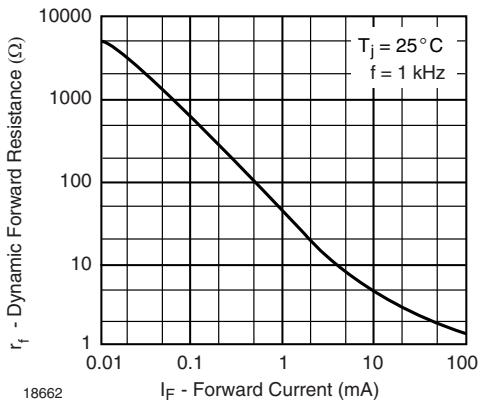


Fig. 2 - Dynamic Forward Resistance vs. Forward Current

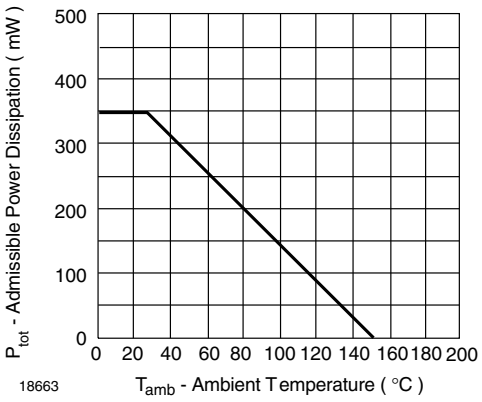


Fig. 3 - Admissible Power Dissipation vs. Ambient Temperature

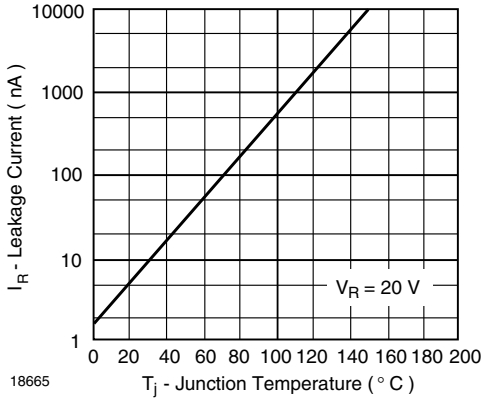


Fig. 5 - Leakage Current vs. Junction Temperature

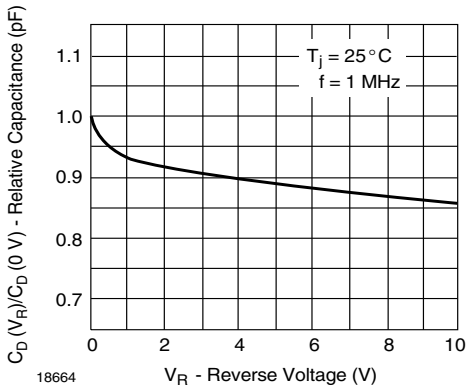


Fig. 4 - Relative Capacitance vs. Reverse Voltage

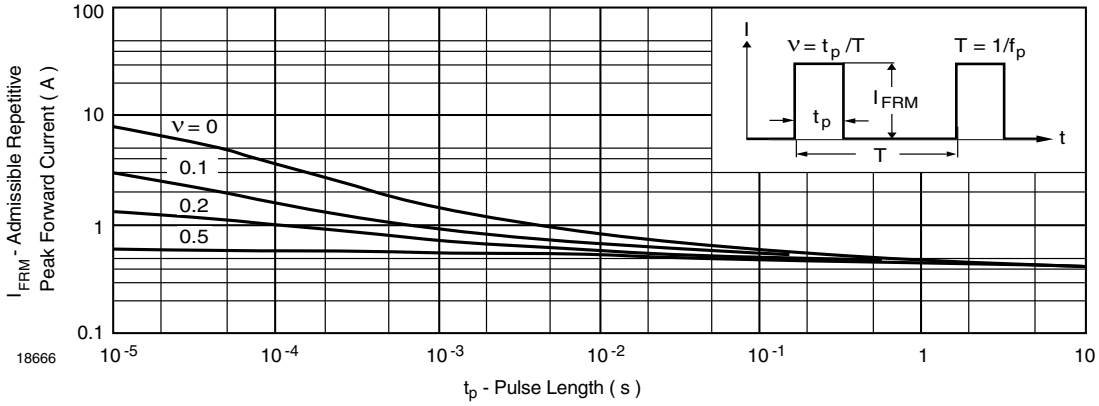
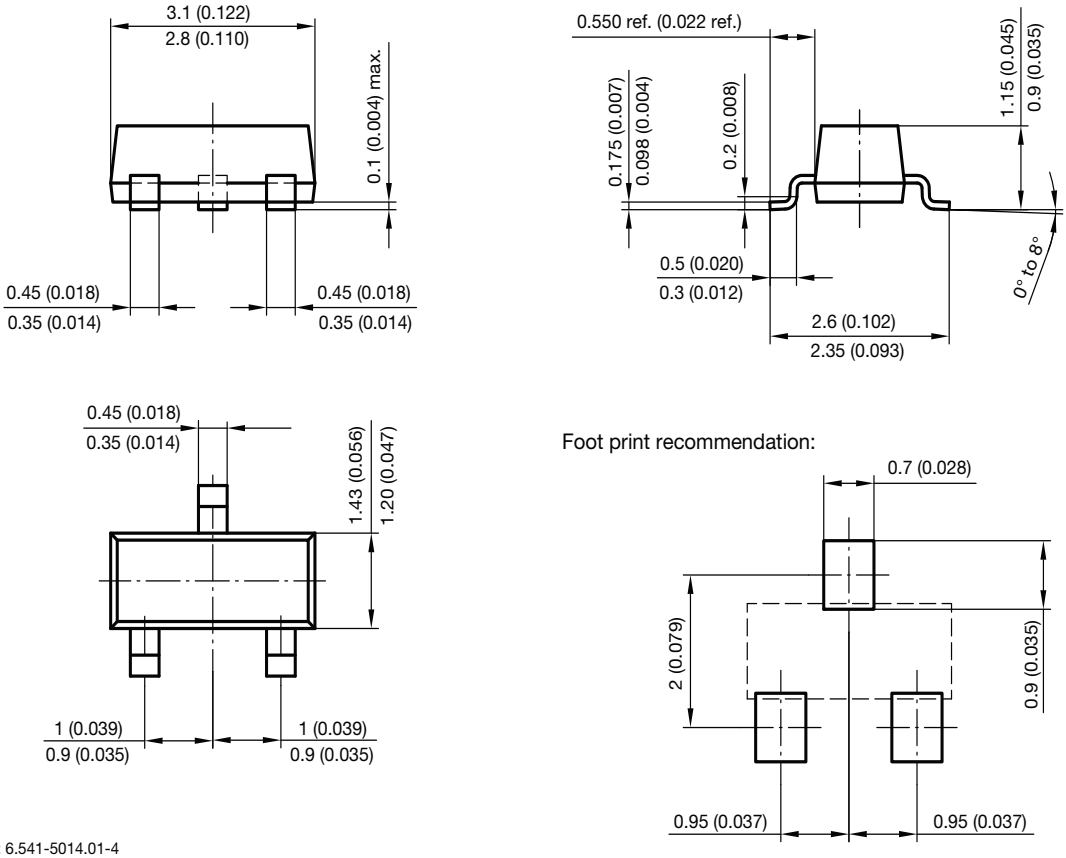


Fig. 6 - Admissible Repetitive Peak Forward Current vs. Pulse Duration

PACKAGE DIMENSIONS in millimeters (inches): **SOT-23**



Foot print recommendation:

Document no.: 6.541-5014.01-4
Rev. 8 - Date: 23.Sept.2009
17418

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